

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135834.D
 Acq On : 18 Oct 2023 02:37
 Operator : CG\JU
 Sample : 04808-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 18 05:05:26 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	101656	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	359547	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	156841	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	286953	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	203569	20.000	ng	-0.01
86) Perylene-d12	15.421	264	171811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	111893	17.697	ng	0.00
7) Phenol-d6	6.398	99	137344	17.409	ng	0.00
23) Nitrobenzene-d5	7.304	82	77033	11.784	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	27244	18.102	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	162701	16.219	ng	-0.01
79) Terphenyl-d14	12.869	244	160865	14.634	ng	-0.01
Target Compounds					Qvalue	
52) Acenaphthene	9.810	154	19054	2.219	ng	95
58) Fluorene	10.328	166	32311	3.185	ng	99
71) Phenanthrene	11.298	178	256035	18.626	ng	98
72) Anthracene	11.351	178	87898	6.171	ng	97
75) Fluoranthene	12.498	202	444623	29.143	ng	97
78) Pyrene	12.727	202	401995	24.850	ng	100
81) Benzo(a)anthracene	13.933	228	175997	13.162	ng	99
83) Chrysene	13.968	228	149628	11.553	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	52156	5.571	ng	95
88) Benzo(b)fluoranthene	14.992	252	152024m	15.810	ng	
89) Benzo(k)fluoranthene	15.015	252	39614m	4.243	ng	
90) Benzo(a)pyrene	15.357	252	101185	11.191	ng	98
92) Benzo(g,h,i)perylene	17.392	276	50460	6.401	ng	98

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

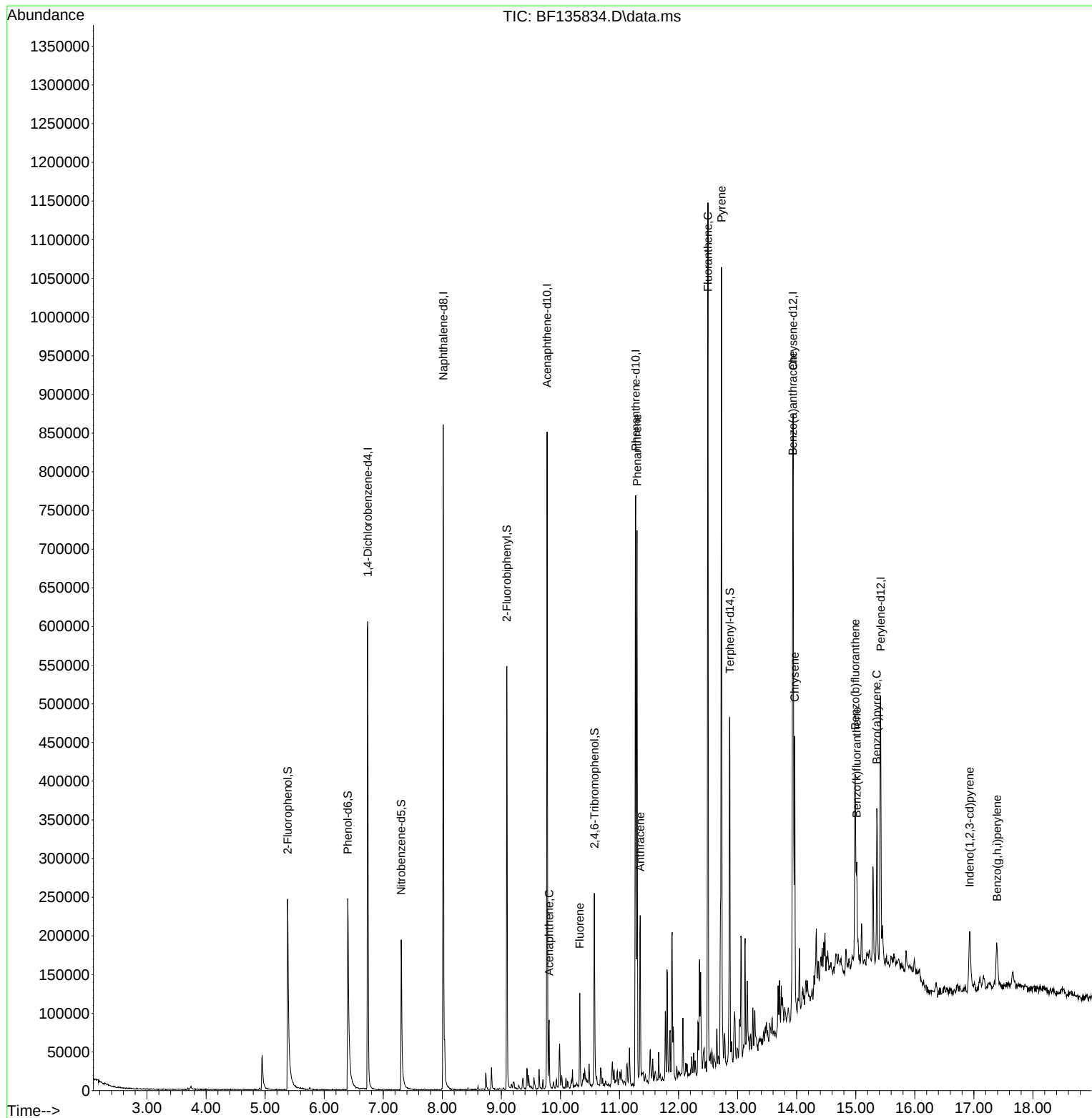
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
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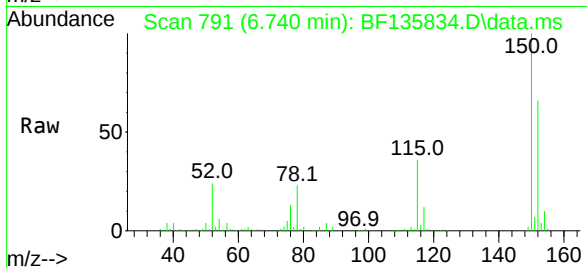
Quant Time: Oct 18 05:05:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37

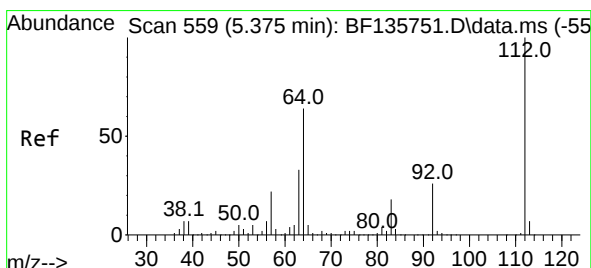
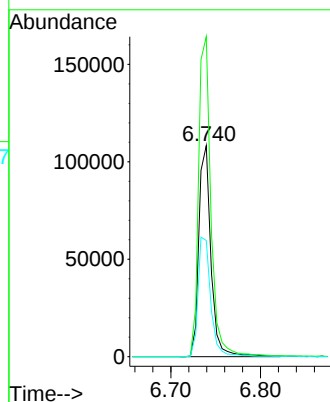
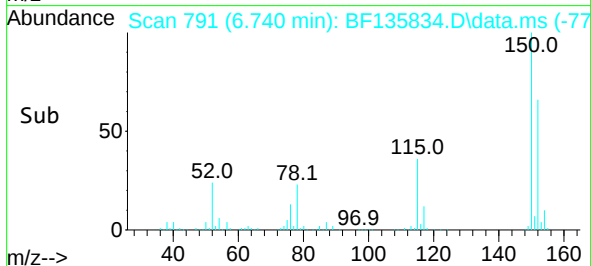
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL



Tgt Ion:152 Resp: 101650
Ion Ratio Lower Upper
152 100
150 151.7 124.5 186.7
115 55.1 49.0 73.4

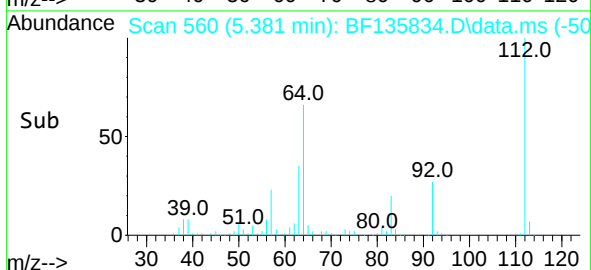
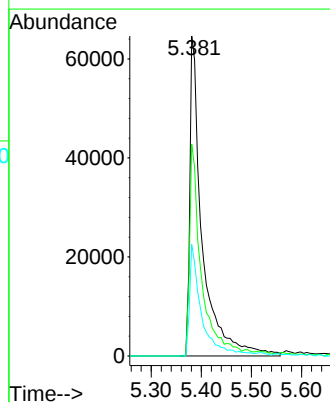
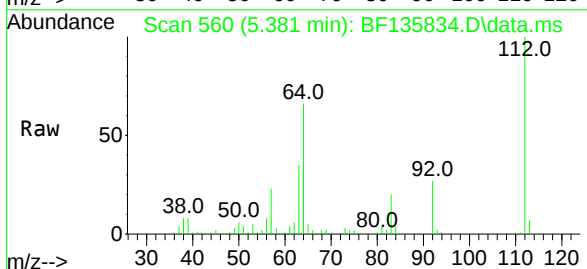
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#5
2-Fluorophenol
Concen: 17.697 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37

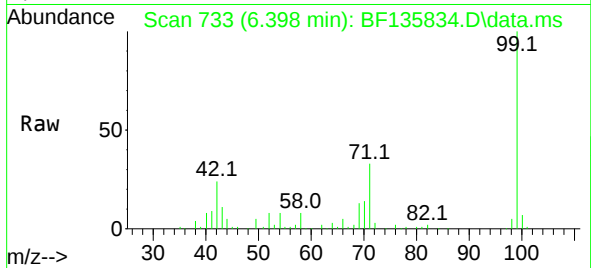
Tgt Ion:112 Resp: 111893
Ion Ratio Lower Upper
112 100
64 66.2 51.2 76.8
63 34.9 26.1 39.1





#7
Phenol-d6
Concen: 17.409 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37

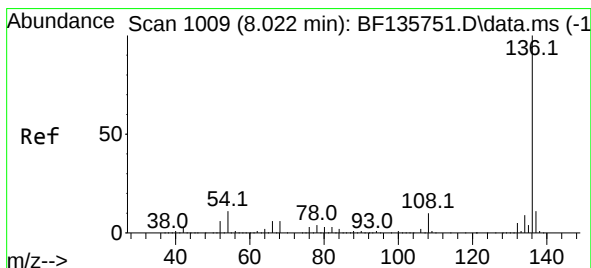
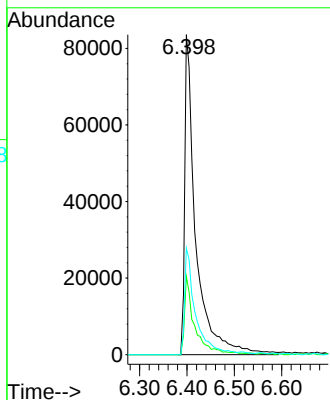
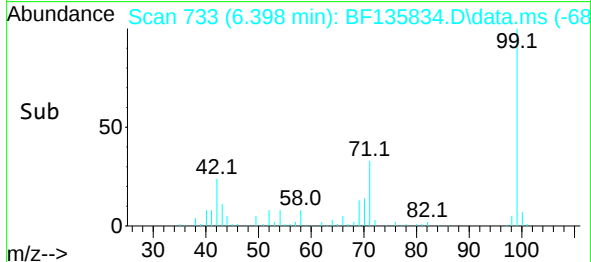
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL



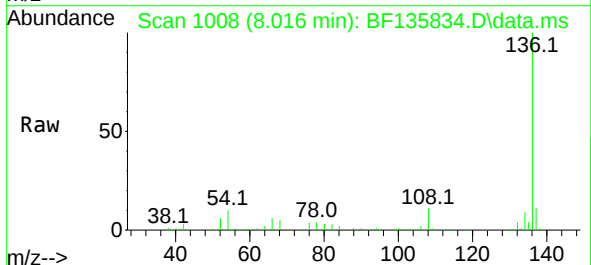
Tgt Ion: 99 Resp: 137344
Ion Ratio Lower Upper
99 100
42 24.4 18.4 27.6
71 33.3 27.2 40.8

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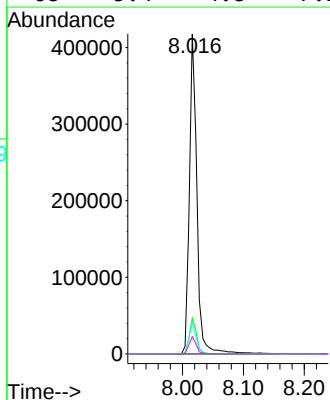
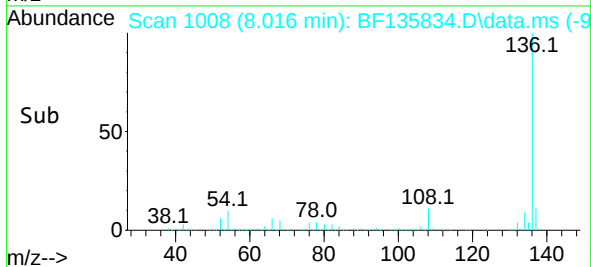
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

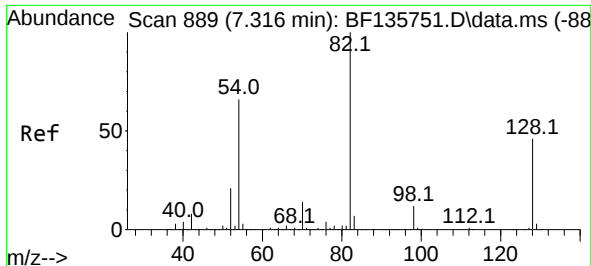


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37



Tgt Ion:136 Resp: 359547
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.7 8.5 12.7
68 5.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 11.784 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135834.D

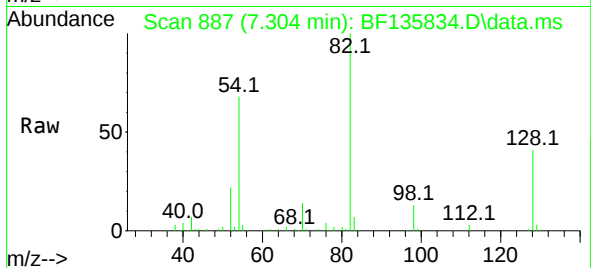
Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL



Tgt Ion: 82 Resp: 7703

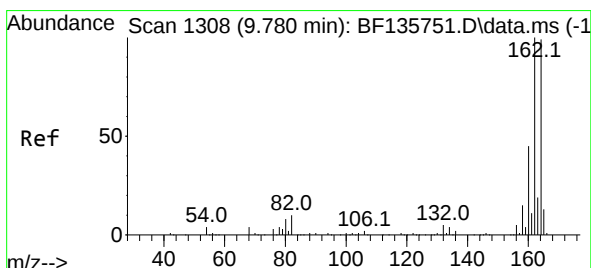
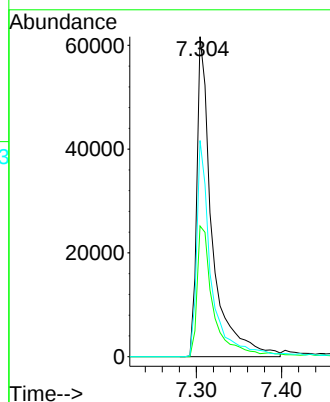
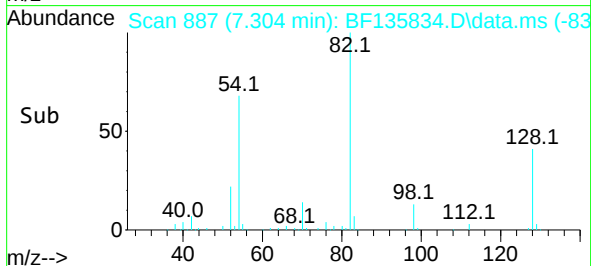
Ion	Ratio	Lower	Upper
82	100		
128	40.8	37.0	55.6
54	67.5	52.8	79.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

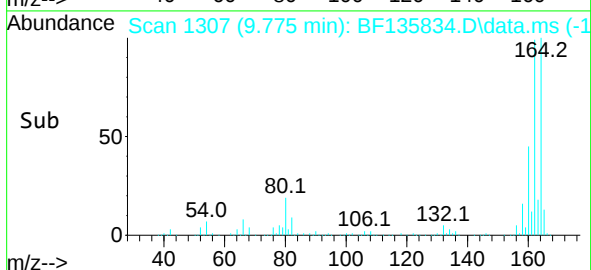
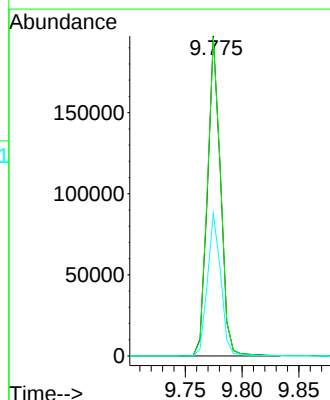
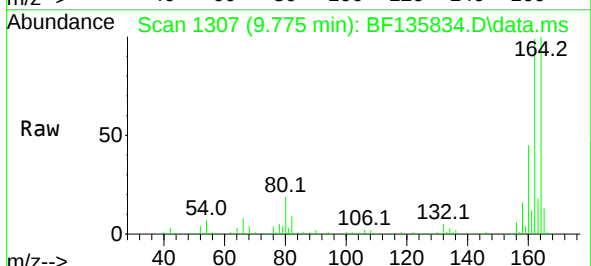
Delta R.T. -0.012 min

Lab File: BF135834.D

Acq: 18 Oct 2023 02:37

Tgt Ion:164 Resp: 156841

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.8	121.2
160	44.6	36.6	54.8





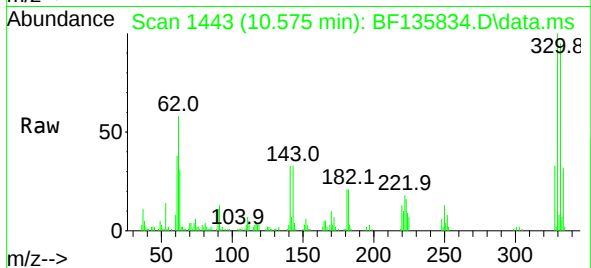
#42
2,4,6-Tribromophenol
Concen: 18.102 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL



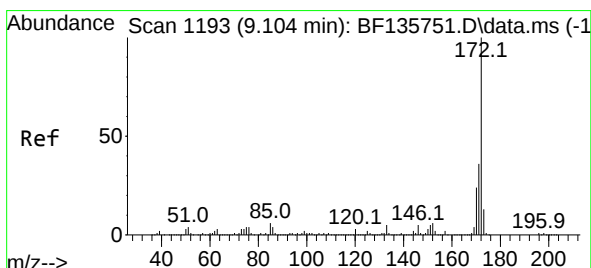
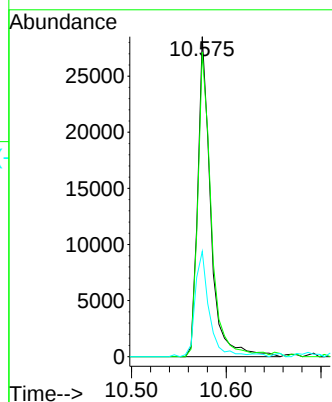
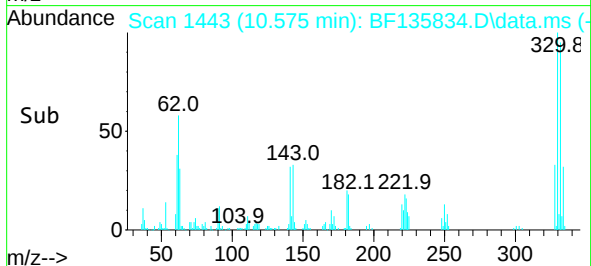
Tgt Ion:330 Resp: 2724
Ion Ratio Lower Upper
330 100
332 99.7 75.0 112.4
141 35.2 25.8 38.6

Manual Integrations

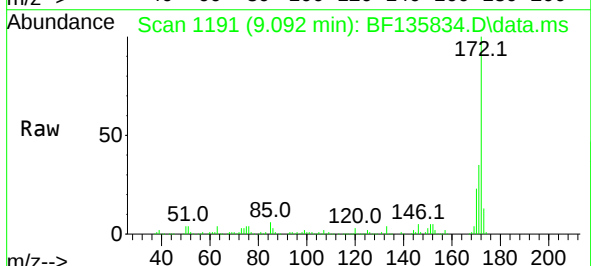
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Reviewed By :Yogesh Patel 10/18/2023

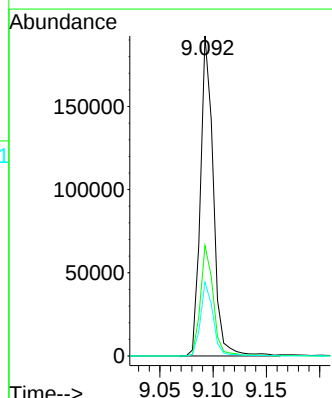
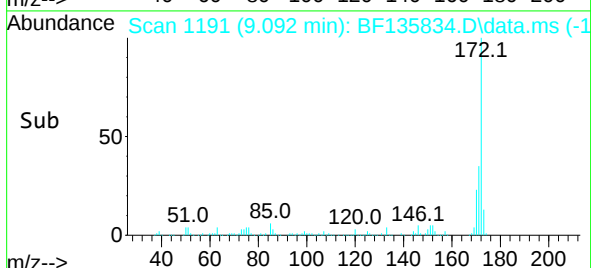
Supervised By :mohammad ahmed 10/18/2023

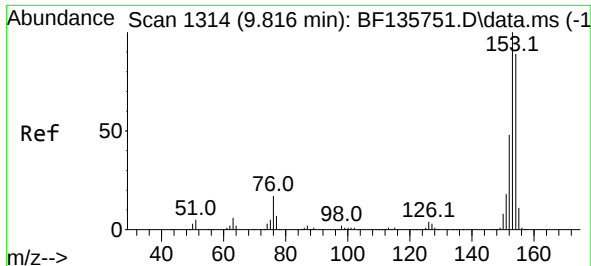


#45
2-Fluorobiphenyl
Concen: 16.219 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37



Tgt Ion:172 Resp: 162701
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.1 18.8 28.2





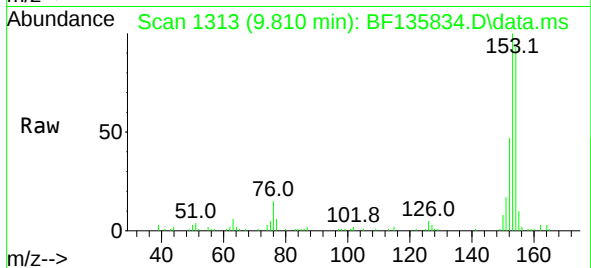
#52
Acenaphthene
Concen: 2.219 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL



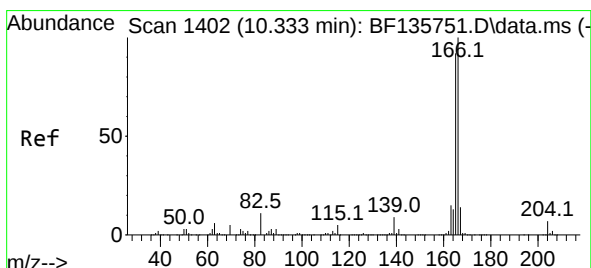
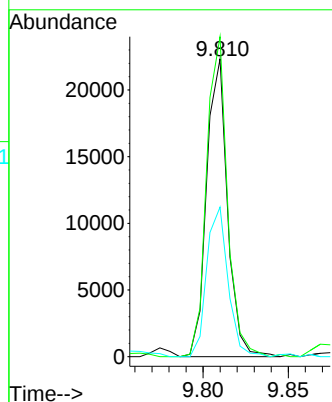
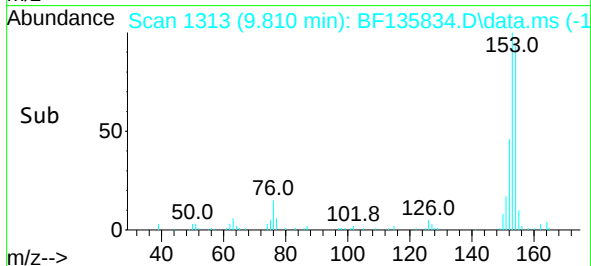
Tgt Ion:154 Resp: 19054
Ion Ratio Lower Upper
154 100
153 107.4 90.1 135.1
152 50.2 43.1 64.7

Manual Integrations

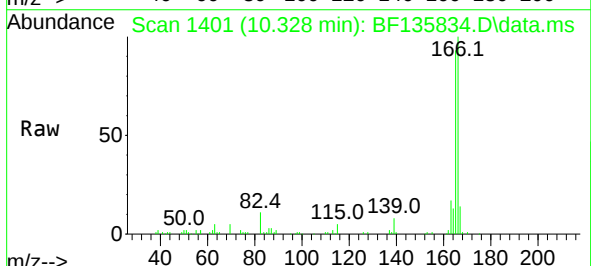
APPROVED

Reviewed By :Yogesh Patel 10/18/2023

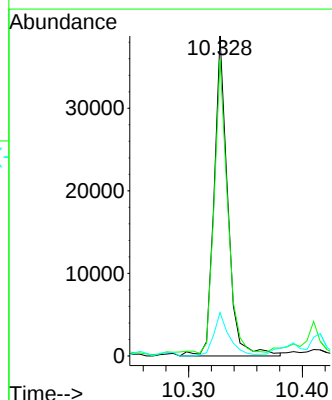
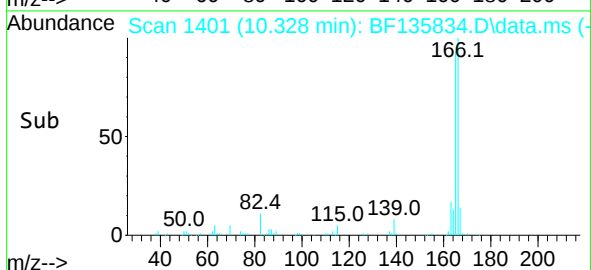
Supervised By :mohammad ahmed 10/18/2023

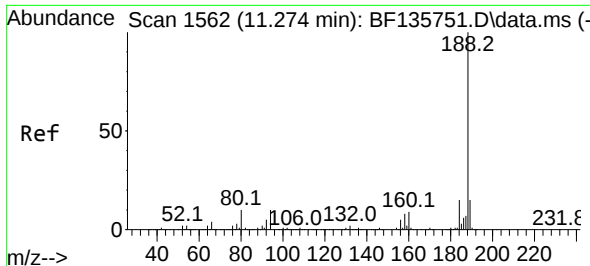


#58
Fluorene
Concen: 3.185 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37



Tgt Ion:166 Resp: 32311
Ion Ratio Lower Upper
166 100
165 92.6 73.4 110.0
167 13.5 11.0 16.6





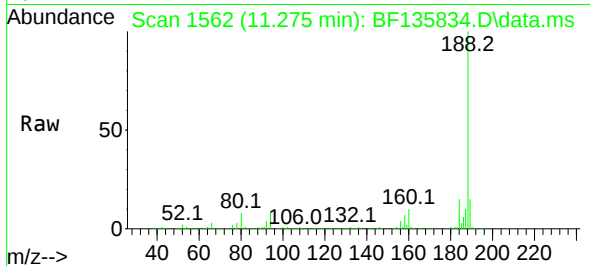
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL



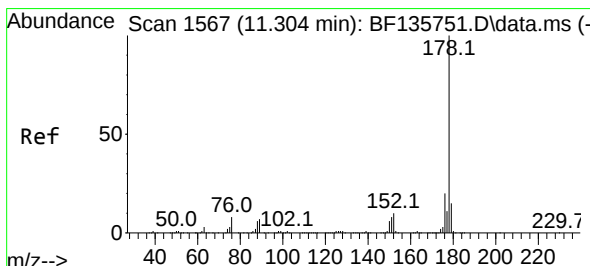
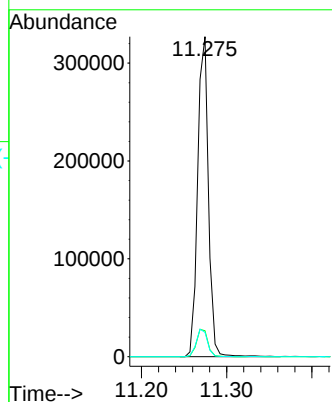
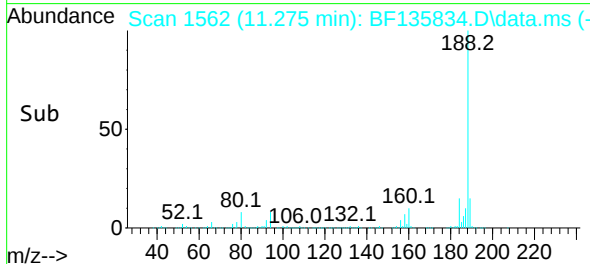
Tgt Ion:188 Resp: 28695
Ion Ratio Lower Upper
188 100
94 8.1 8.0 12.0
80 7.6 8.3 12.5

Manual Integrations

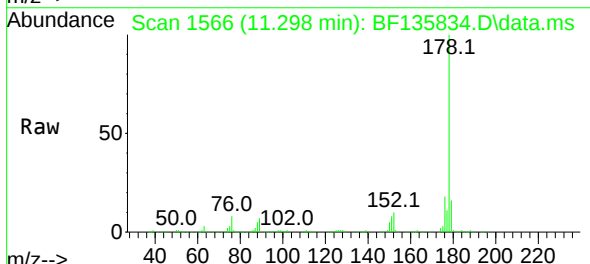
APPROVED

Reviewed By :Yogesh Patel 10/18/2023

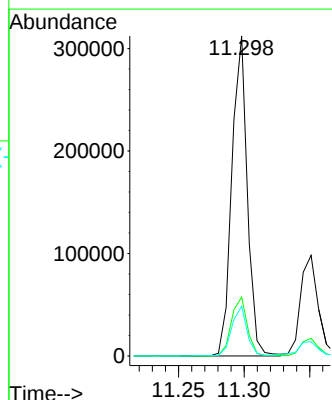
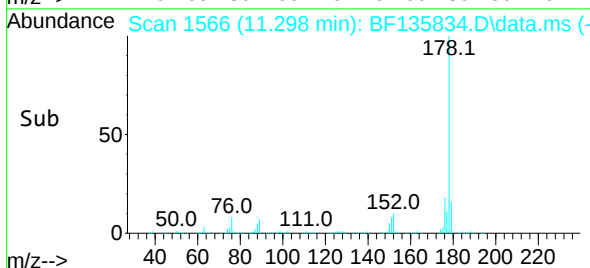
Supervised By :mohammad ahmed 10/18/2023

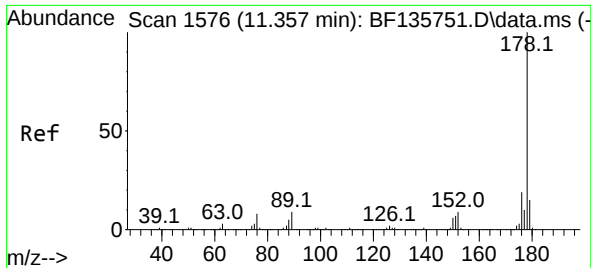


#71
Phenanthrene
Concen: 18.626 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37



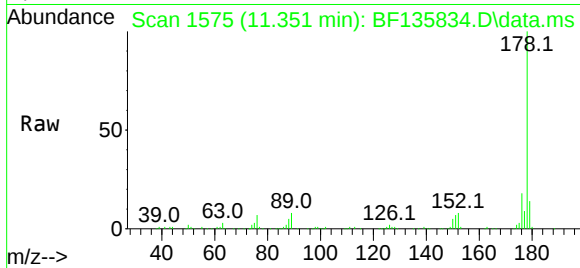
Tgt Ion:178 Resp: 256035
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.6 12.2 18.4





#72
 Anthracene
 Concen: 6.171 ng
 RT: 11.351 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135834.D
 Acq: 18 Oct 2023 02:37

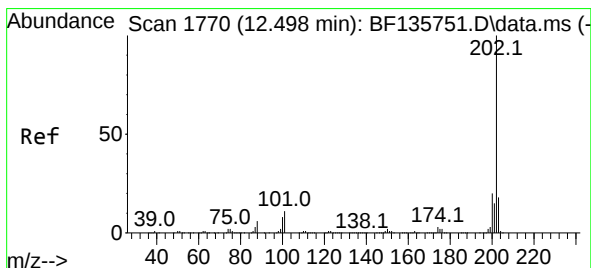
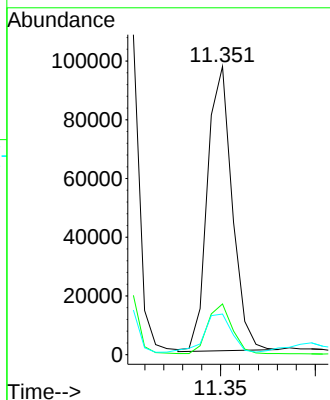
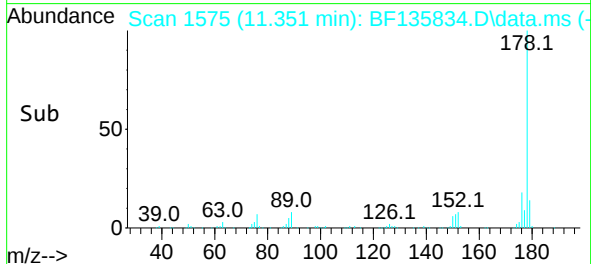
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623DL



Tgt Ion:178 Resp: 87898
 Ion Ratio Lower Upper
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 176 17.6 15.1 22.7
 179 14.1 12.3 18.5

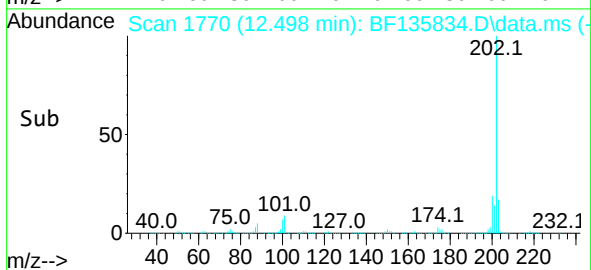
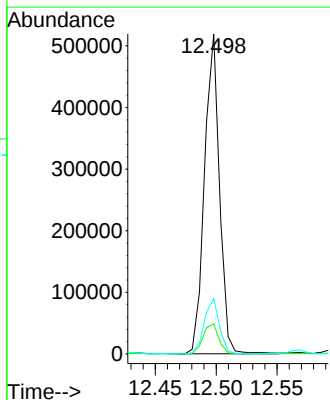
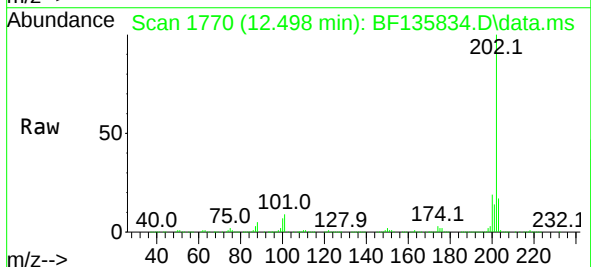
Manual Integrations
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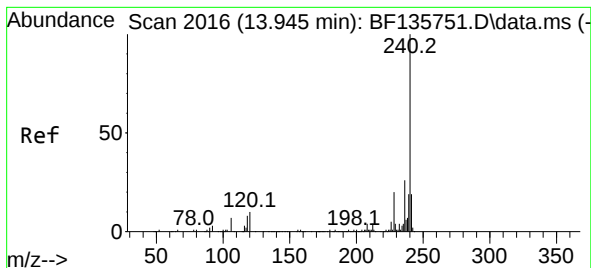
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023



#75
 Fluoranthene
 Concen: 29.143 ng
 RT: 12.498 min Scan# 1770
 Delta R.T. -0.006 min
 Lab File: BF135834.D
 Acq: 18 Oct 2023 02:37

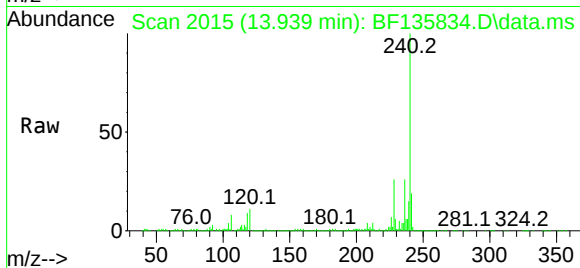
Tgt Ion:202 Resp: 444623
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 31.5
 203 17.3 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37

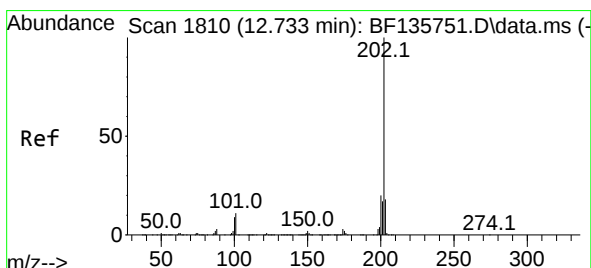
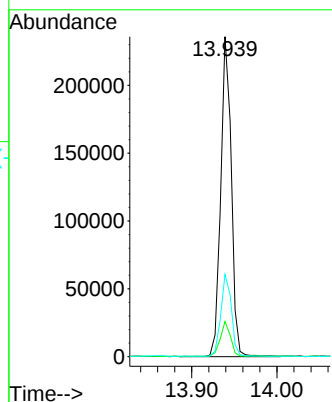
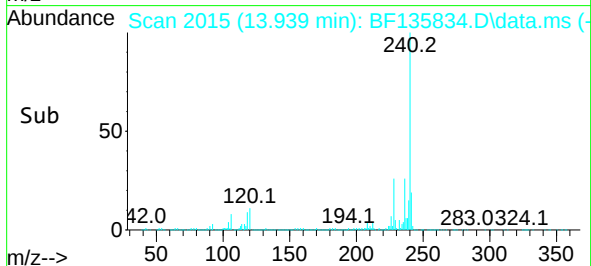
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL



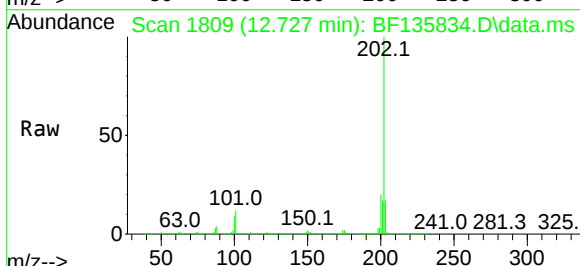
Tgt Ion:240 Resp: 203569
Ion Ratio Lower Upper
240 100
120 11.0 8.2 12.2
236 25.7 21.2 31.8

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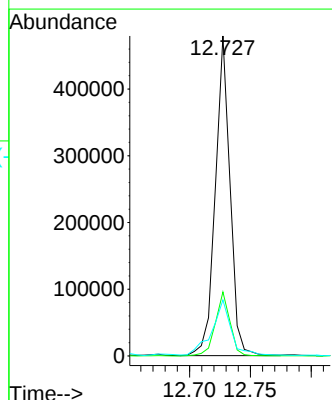
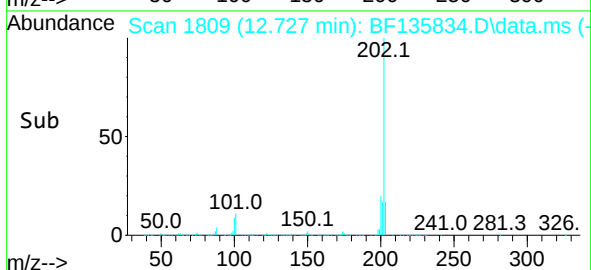
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

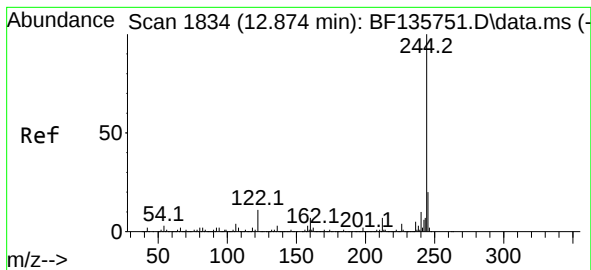


#78
Pyrene
Concen: 24.850 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135834.D
Acq: 18 Oct 2023 02:37



Tgt Ion:202 Resp: 401995
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 14.634 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135834.D

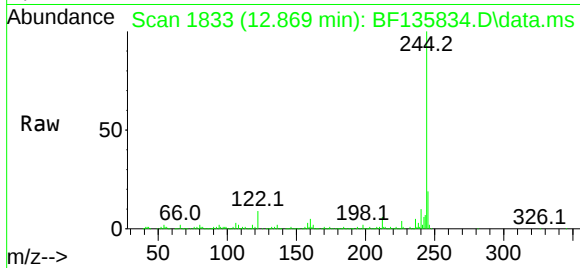
Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL



Tgt Ion:244 Resp: 16086

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

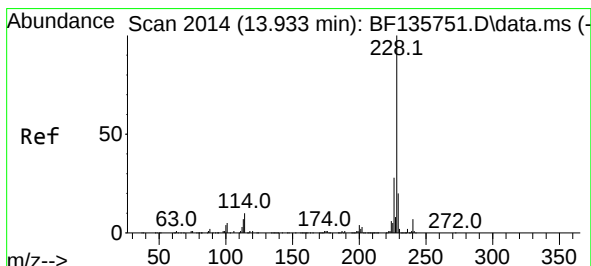
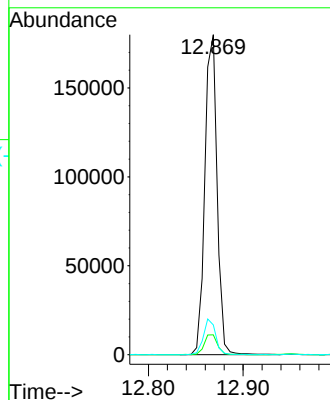
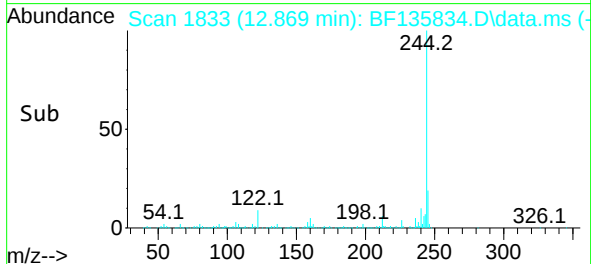
122 9.3 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#81

Benzo(a)anthracene

Concen: 13.162 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135834.D

Acq: 18 Oct 2023 02:37

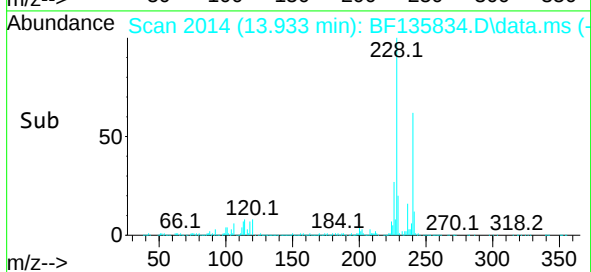
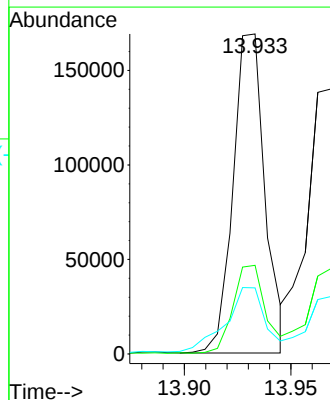
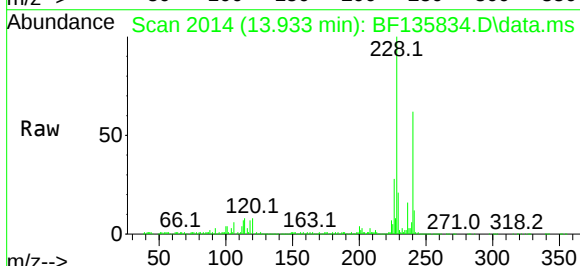
Tgt Ion:228 Resp: 175997

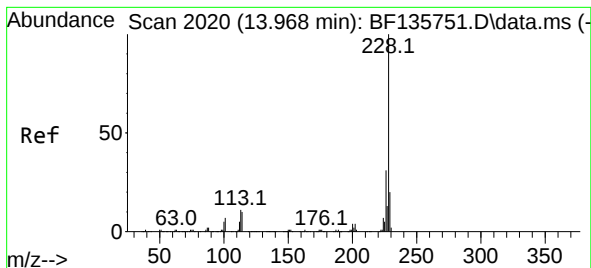
Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

229 20.7 16.1 24.1





#83

Chrysene

Concen: 11.553 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135834.D

Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

Tgt Ion:228 Resp: 149628

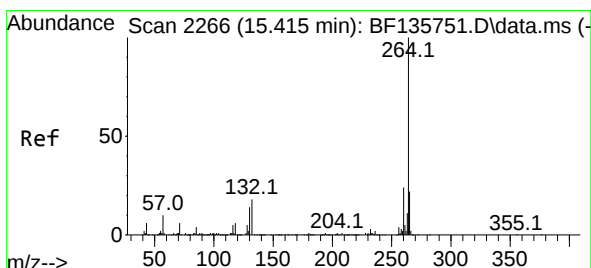
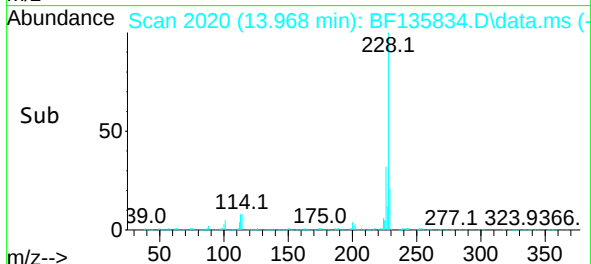
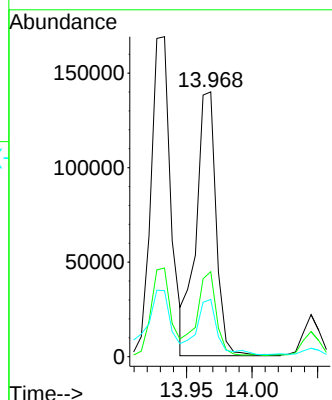
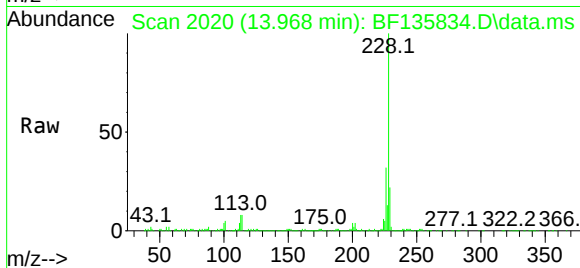
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.4	36.6
229	21.6	15.7	23.5

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: 15.421 min Scan# 2267

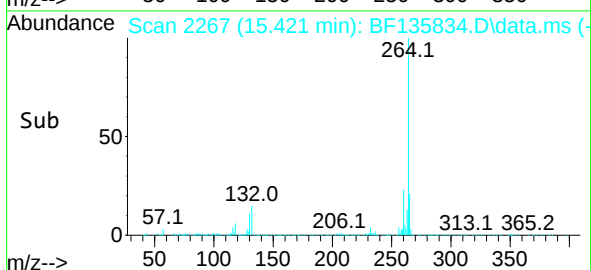
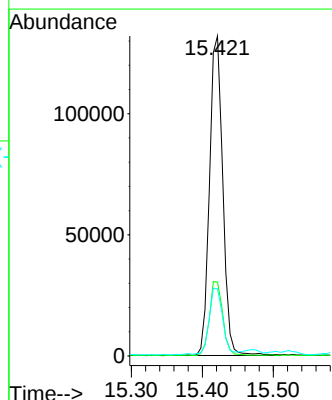
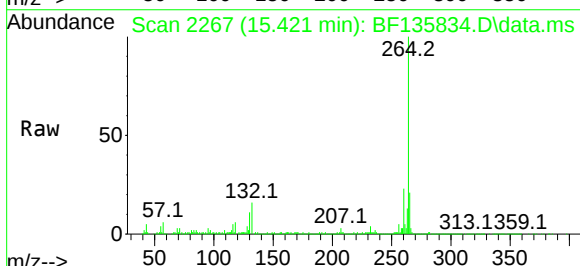
Delta R.T. -0.000 min

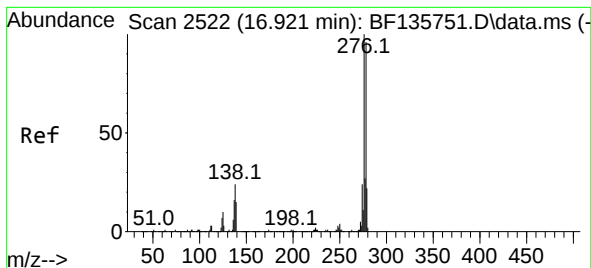
Lab File: BF135834.D

Acq: 18 Oct 2023 02:37

Tgt Ion:264 Resp: 171811

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.0	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.571 ng

RT: 16.927 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF135834.D

Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

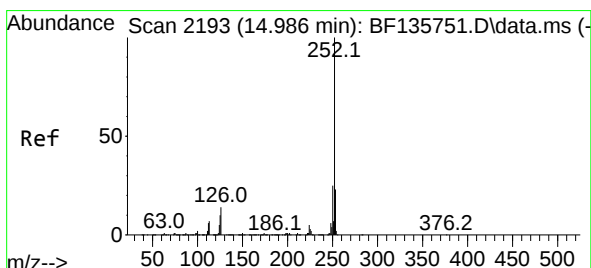
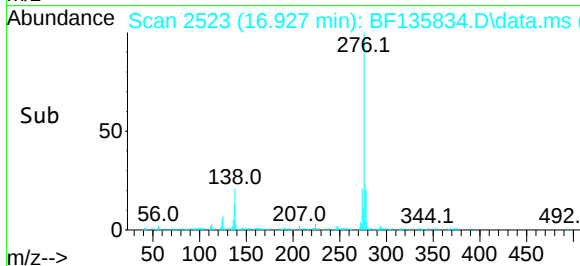
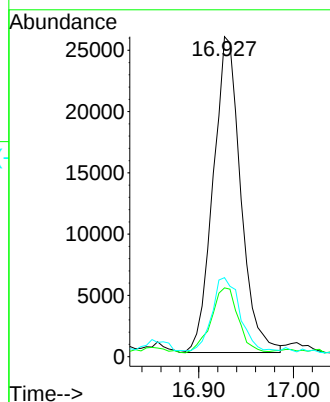
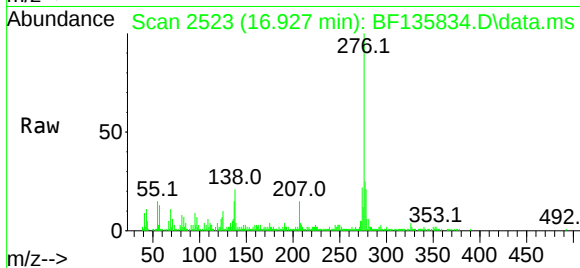
Tgt Ion:	276	Resp:	52150
Ion Ratio	Lower	Upper	
276	100		
138	20.4	19.8	29.6
277	24.1	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#88

Benzo(b)fluoranthene

Concen: 15.810 ng m

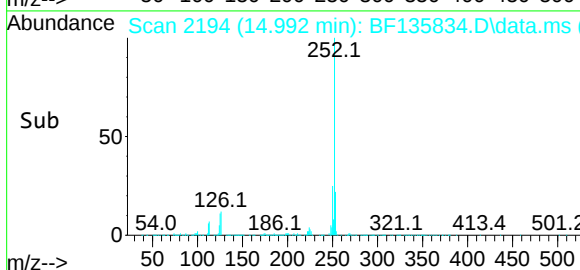
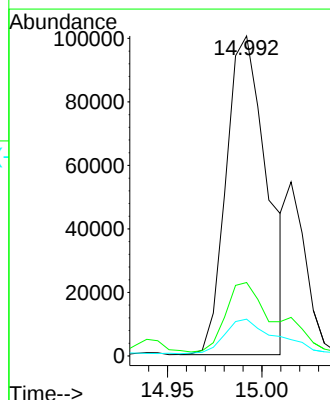
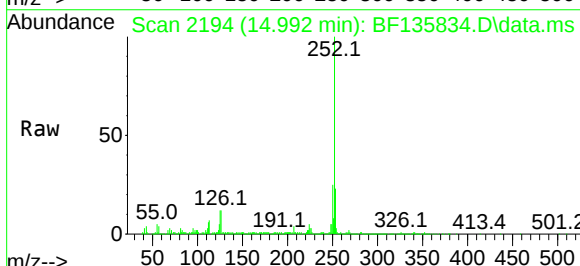
RT: 14.992 min Scan# 2194

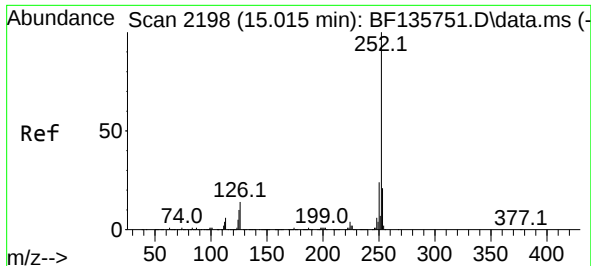
Delta R.T. -0.000 min

Lab File: BF135834.D

Acq: 18 Oct 2023 02:37

Tgt Ion:	252	Resp:	152024
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	11.5	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 4.243 ng m

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF135834.D

Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

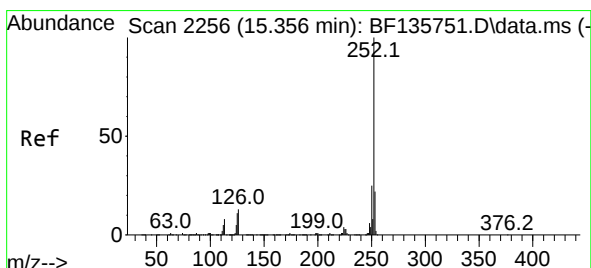
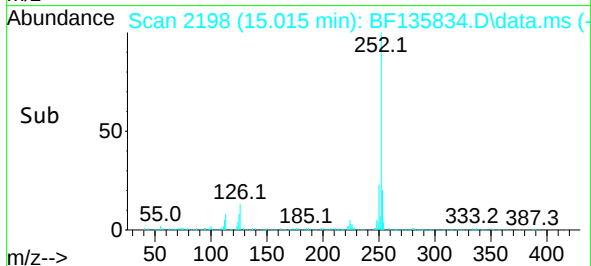
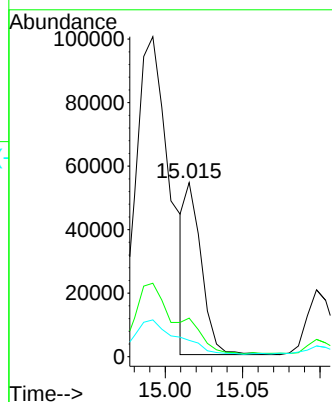
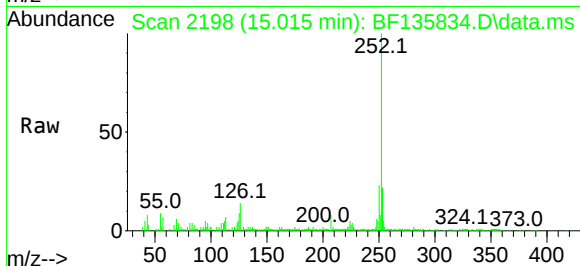
Tgt Ion:	252	Resp:	39614
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.4	26.0
125	9.3	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#90

Benzo(a)pyrene

Concen: 11.191 ng

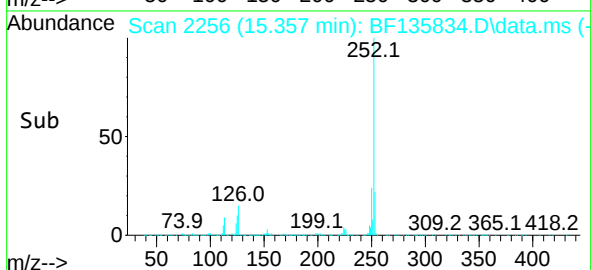
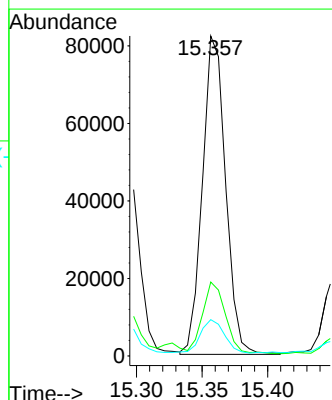
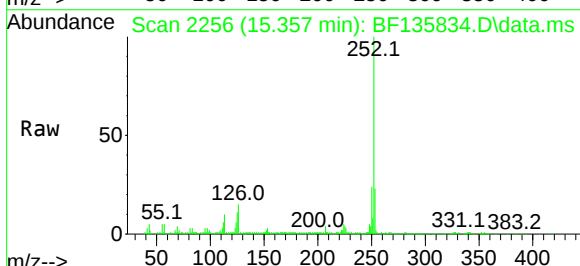
RT: 15.357 min Scan# 2256

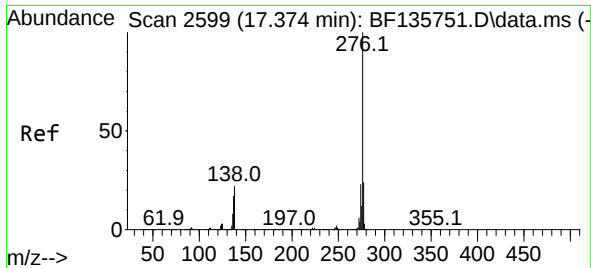
Delta R.T. -0.006 min

Lab File: BF135834.D

Acq: 18 Oct 2023 02:37

Tgt Ion:	252	Resp:	101185
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	11.3	8.8	13.2





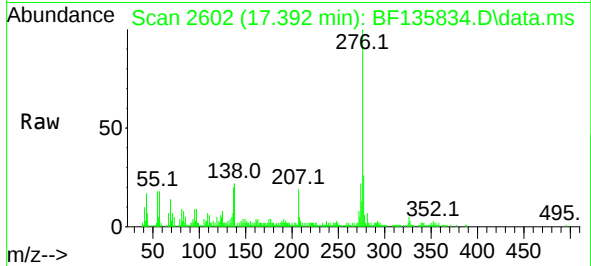
#92
 Benzo(g,h,i)perylene
 Concen: 6.401 ng
 RT: 17.392 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF135834.D
 Acq: 18 Oct 2023 02:37

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL



Tgt Ion:276 Resp: 50460
 Ion Ratio Lower Upper
 276 100
 277 25.7 19.4 29.2
 138 21.8 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023

