

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135212.D
 Acq On : 13 Sep 2023 08:10
 Operator : CG\JU
 Sample : 04310-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SCF

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 12:08:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	123009	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	450035	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	209564	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	315658	20.000	ng	0.00
76) Chrysene-d12	13.945	240	196552	20.000	ng	0.00
86) Perylene-d12	15.410	264	217714	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	680375	89.960	ng	0.00
7) Phenol-d6	6.404	99	865506	89.999	ng	0.00
23) Nitrobenzene-d5	7.328	82	540574	65.260	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	176354	84.681	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	959419	69.072	ng	0.00
79) Terphenyl-d14	12.886	244	683713	53.924	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	238656	15.986	ng	99
72) Anthracene	11.363	178	57038	3.717	ng	99
75) Fluoranthene	12.510	202	446073	28.675	ng	98
78) Pyrene	12.739	202	393499	21.028	ng	99
81) Benzo(a)anthracene	13.933	228	187063	14.739	ng	97
83) Chrysene	13.969	228	182613	14.472	ng	97
84) Bis(2-ethylhexyl)phtha...	13.933	149	14482	2.142	ng	94
87) Indeno(1,2,3-cd)pyrene	16.880	276	80751	5.657	ng	96
88) Benzo(b)fluoranthene	14.986	252	240879m	20.438	ng	
89) Benzo(k)fluoranthene	15.010	252	64157m	5.511	ng	
90) Benzo(a)pyrene	15.345	252	151992	13.523	ng	98
92) Benzo(g,h,i)perylene	17.327	276	75888	6.221	ng	97

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

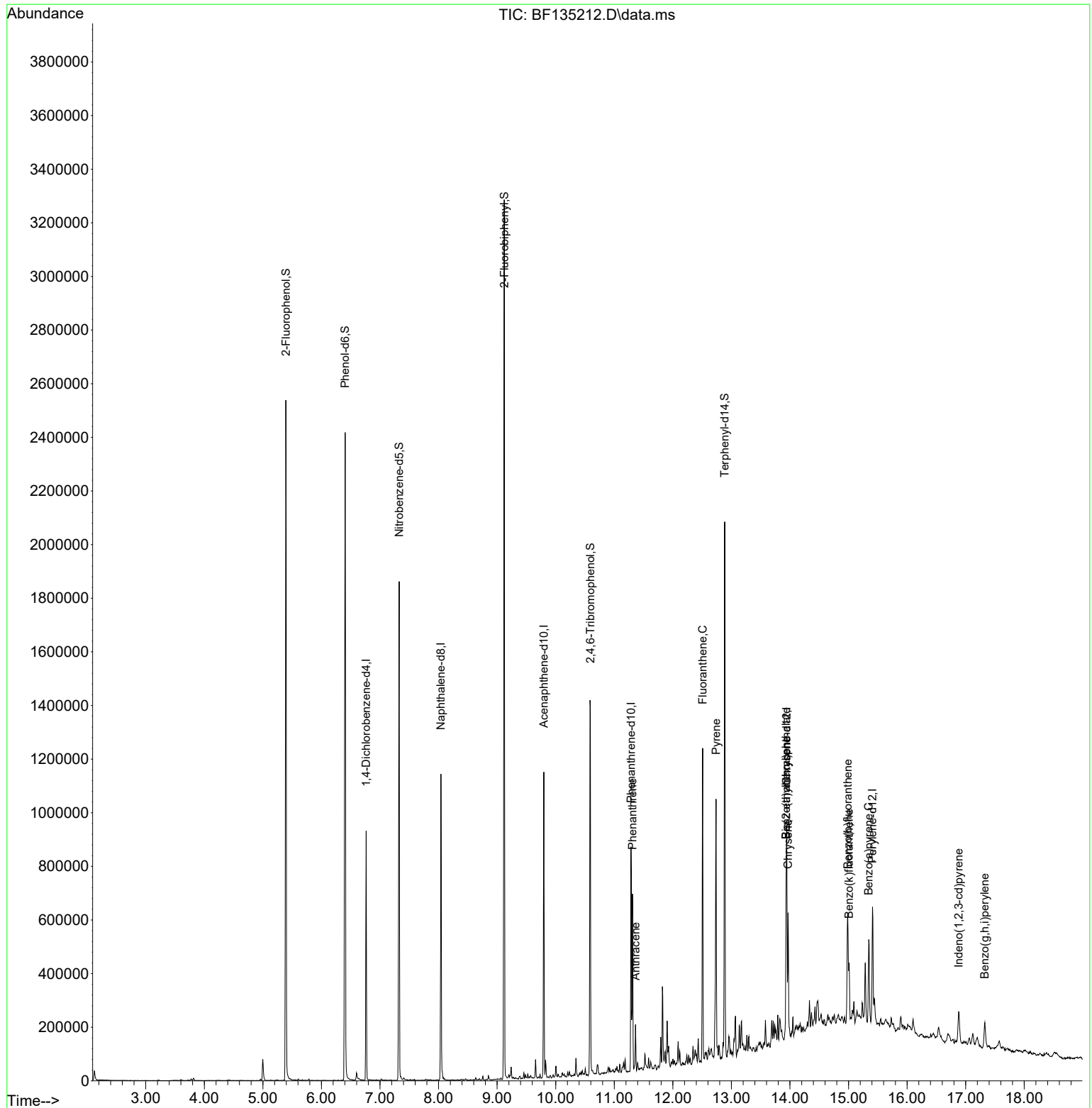
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135212.D
Acq On : 13 Sep 2023 08:10
Operator : CG\JU
Sample : 04310-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

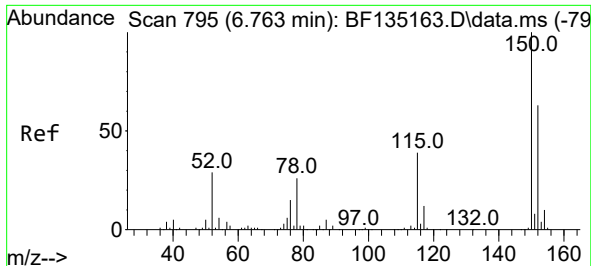
Instrument :
BNA_F
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SCF

Quant Time: Sep 13 12:08:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

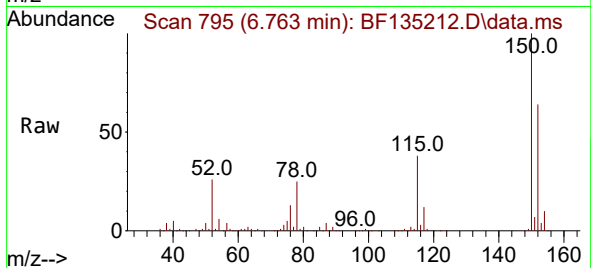
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

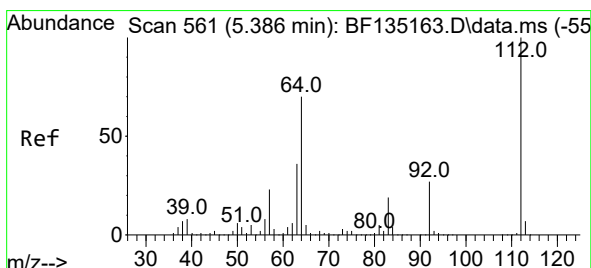
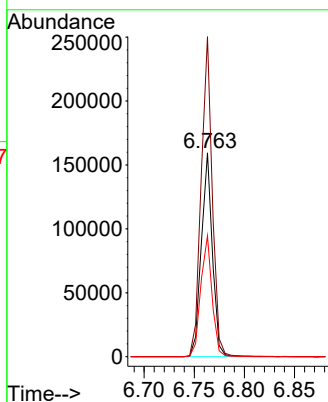
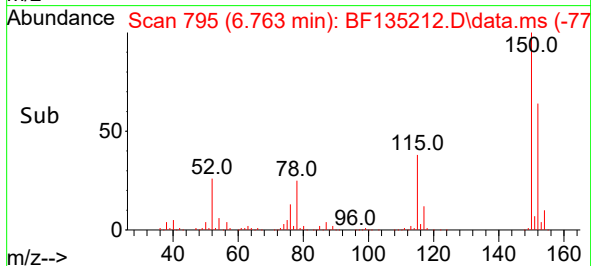
Instrument :
BNA_F
ClientSampleId :
SCF



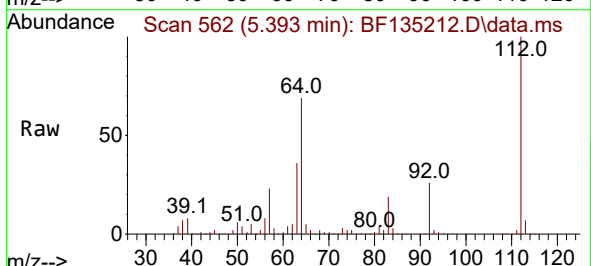
Tgt Ion:152 Resp: 123009
Ion Ratio Lower Upper
152 100
150 157.0 127.8 191.6
115 59.3 49.8 74.8

Manual Integrations
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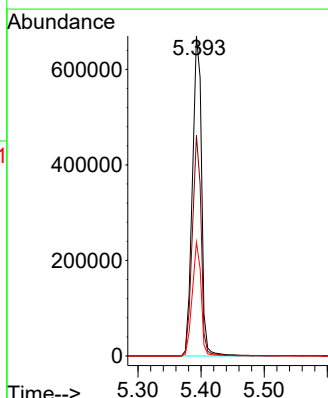
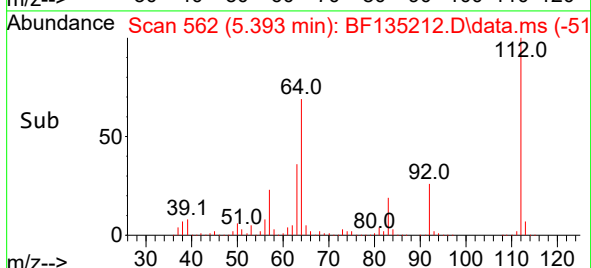
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

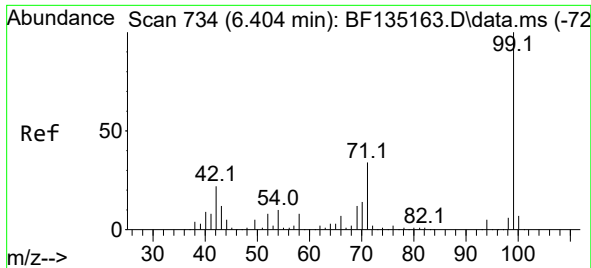


#5
2-Fluorophenol
Concen: 89.960 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10



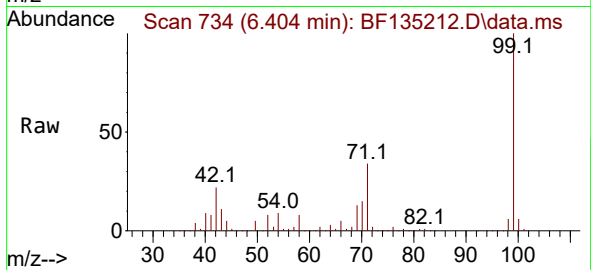
Tgt Ion:112 Resp: 680375
Ion Ratio Lower Upper
112 100
64 68.9 55.9 83.9
63 35.5 29.0 43.6





#7
Phenol-d6
Concen: 89.999 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

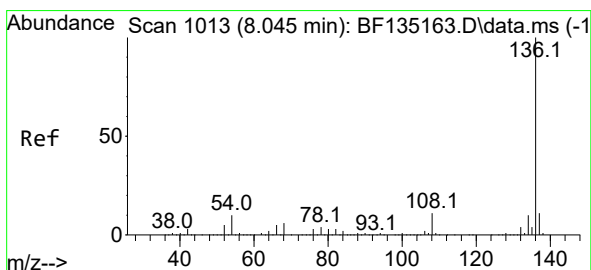
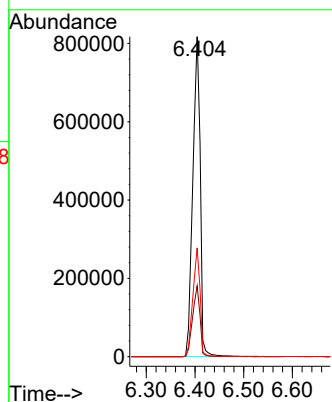
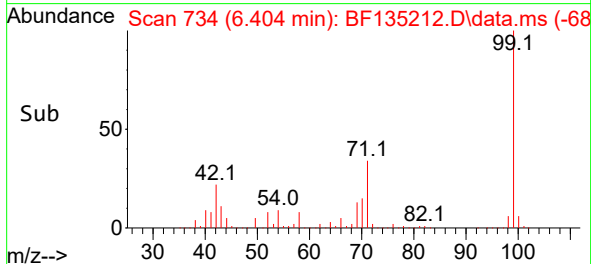
Instrument :
BNA_F
ClientSampleId :
SCF



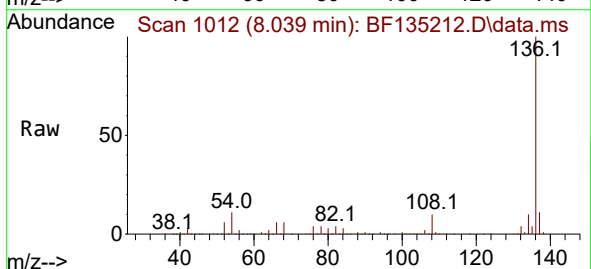
Tgt Ion: 99 Resp: 865500
Ion Ratio Lower Upper
99 100
42 22.2 17.9 26.9
71 34.0 27.0 40.6

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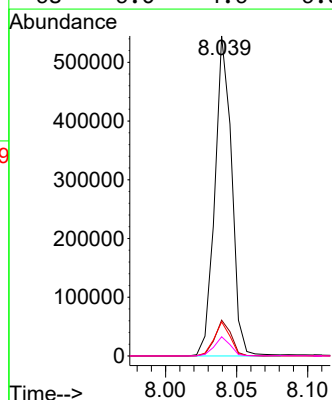
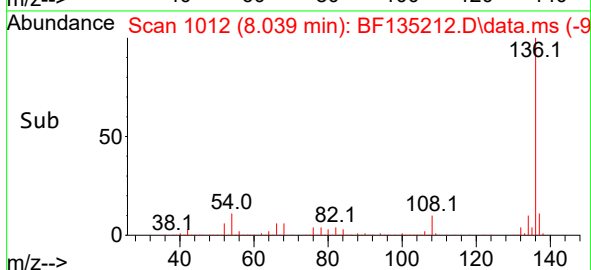
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10



Tgt Ion:136 Resp: 450035
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.7 7.7 11.5
68 6.0 4.6 6.8





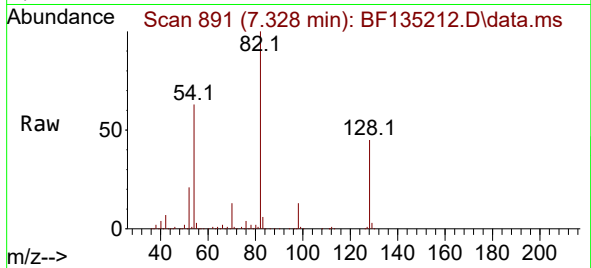
#23
Nitrobenzene-d5
Concen: 65.260 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

Instrument :

BNA_F

ClientSampleId :

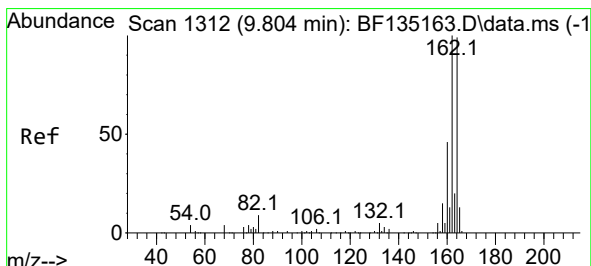
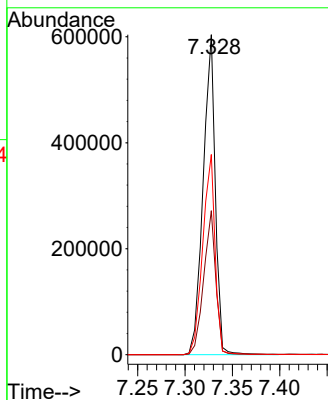
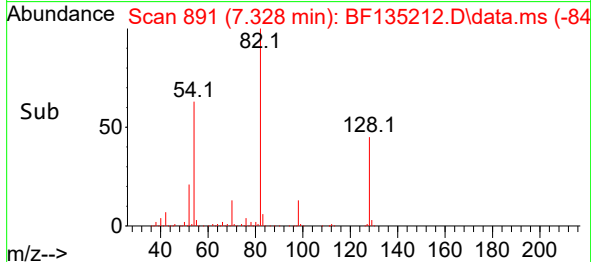
SCF



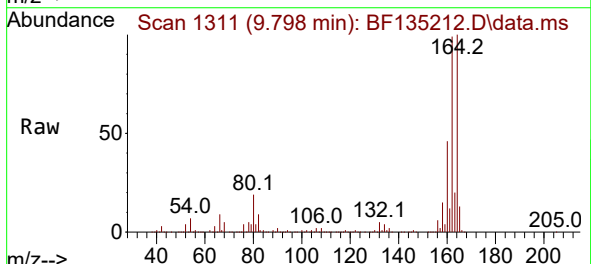
Tgt Ion: 82 Resp: 540574
Ion Ratio Lower Upper
82 100
128 45.0 35.8 53.6
54 62.6 50.6 76.0

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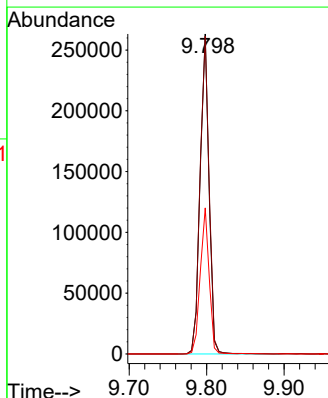
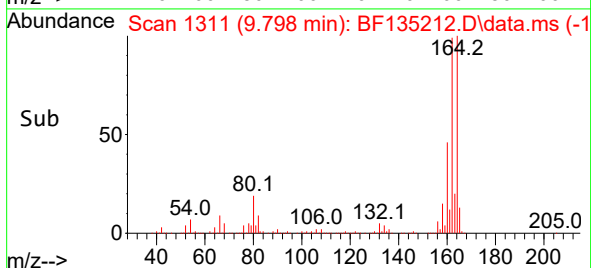
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

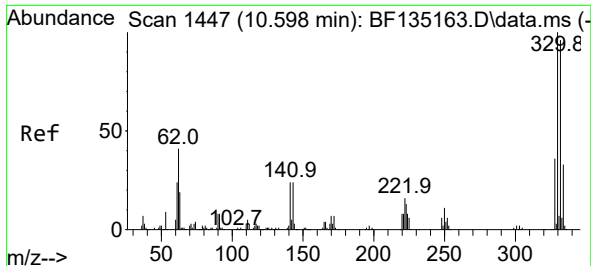


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10



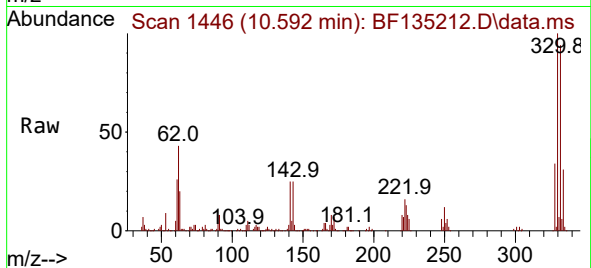
Tgt Ion:164 Resp: 209564
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.4
160 45.7 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 84.681 ng
RT: 10.592 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

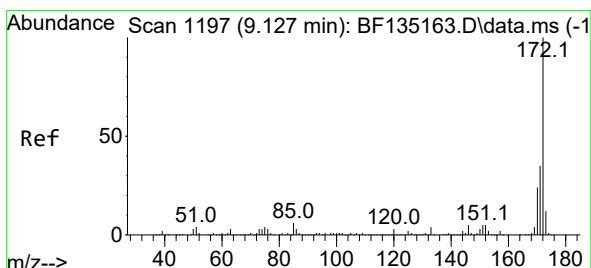
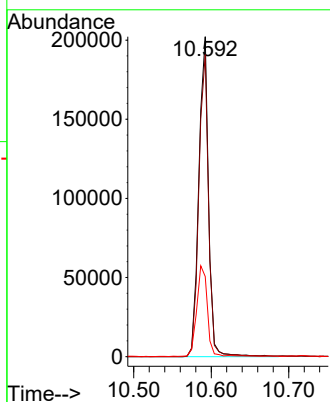
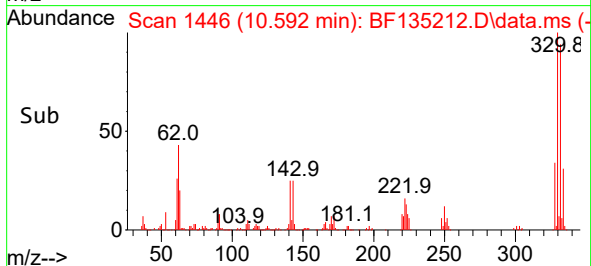
Instrument :
BNA_F
ClientSampleId :
SCF



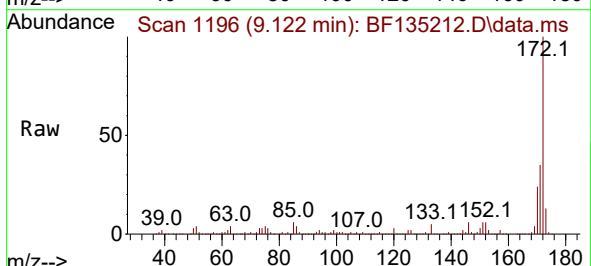
Tgt Ion: 330 Resp: 176354
Ion Ratio Lower Upper
330 100
332 94.8 77.3 115.9
141 31.1 25.8 38.8

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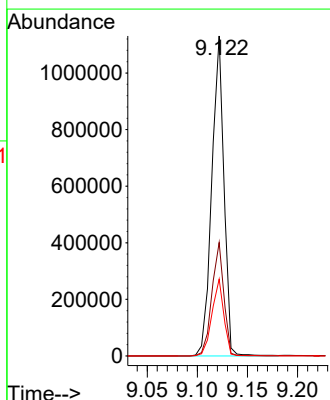
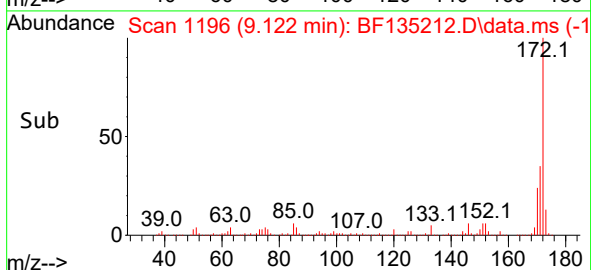
Reviewed By : Yogesh Patel 09/13/2023
Supervised By : mohammad ahmed 09/14/2023

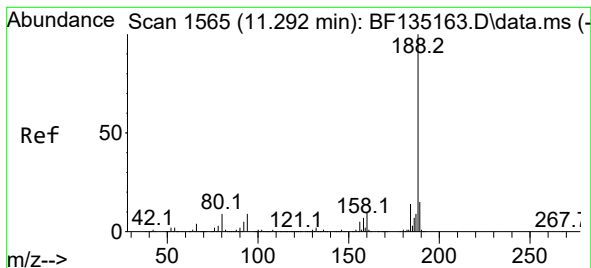


#45
2-Fluorobiphenyl
Concen: 69.072 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10



Tgt Ion: 172 Resp: 959419
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 24.0 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1565

Delta R.T. -0.006 min

Lab File: BF135212.D

Acq: 13 Sep 2023 08:10

Instrument :

BNA_F

ClientSampleId :

SCF

Tgt Ion:188 Resp: 31565

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

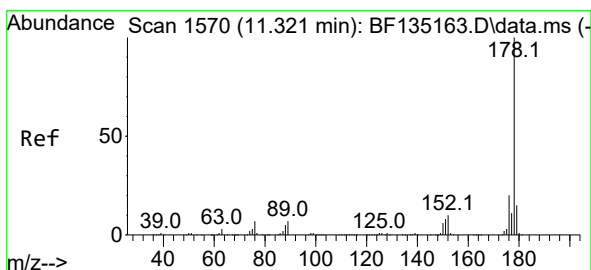
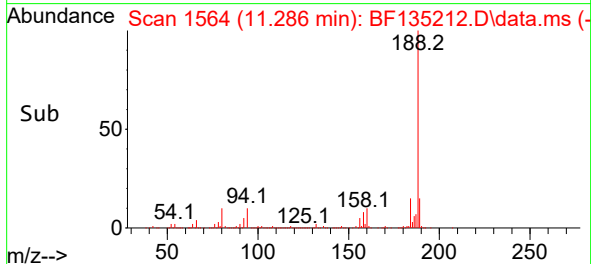
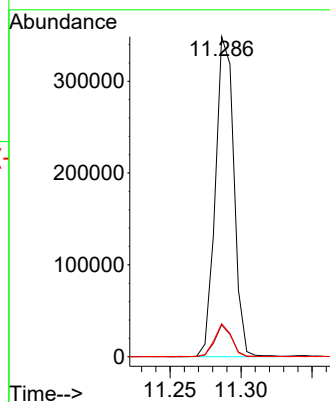
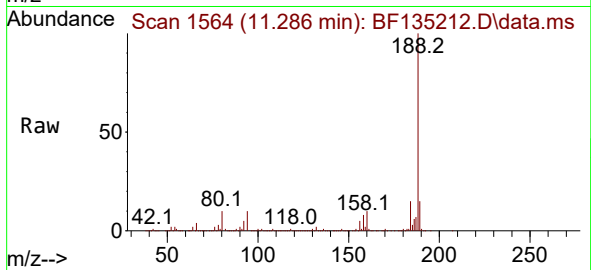
80 10.3 7.5 11.3

Manual Integrations

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#71

Phenanthrene

Concen: 15.986 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF135212.D

Acq: 13 Sep 2023 08:10

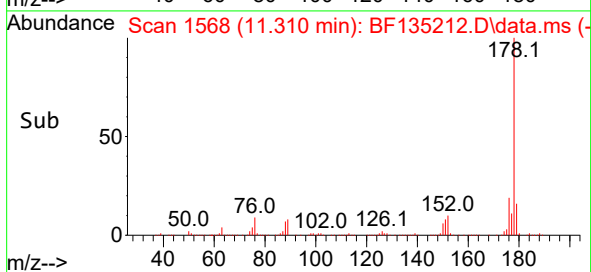
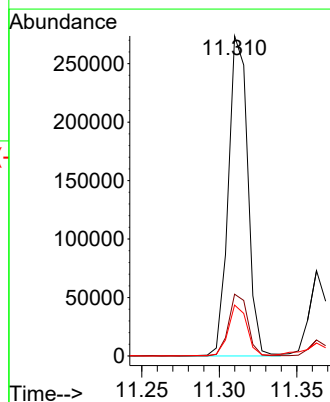
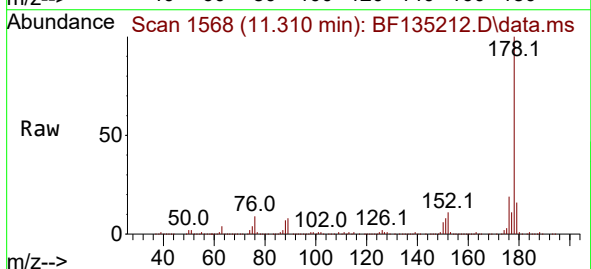
Tgt Ion:178 Resp: 238656

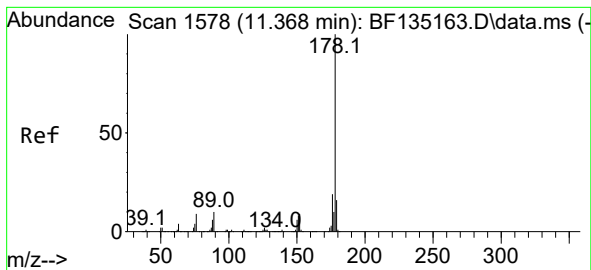
Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 15.9 12.0 18.0





#72

Anthracene

Concen: 3.717 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135212.D

Acq: 13 Sep 2023 08:10

Instrument :

BNA_F

ClientSampleId :

SCF

Tgt Ion:178 Resp: 57038

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

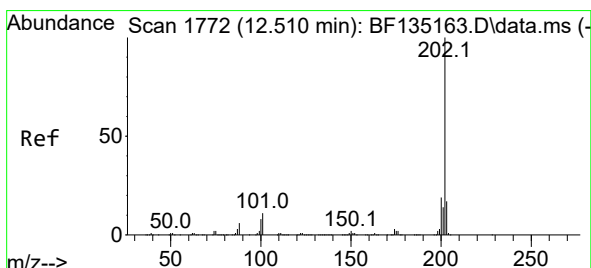
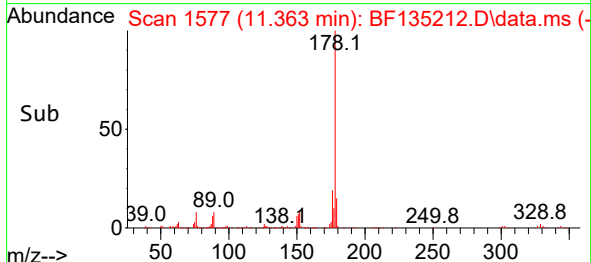
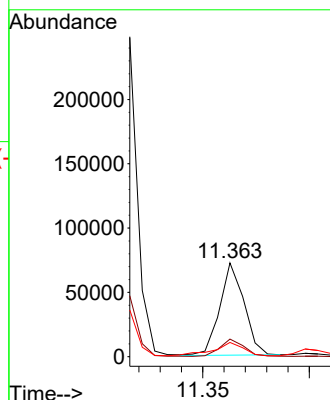
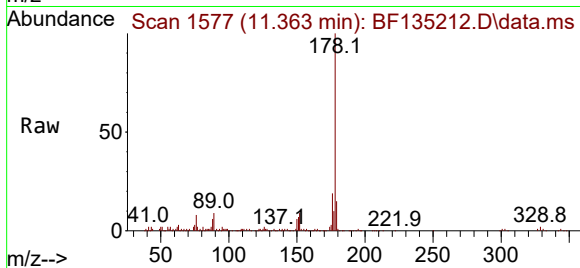
179 15.3 12.6 19.0

Manual Integrations

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#75

Fluoranthene

Concen: 28.675 ng

RT: 12.510 min Scan# 1772

Delta R.T. 0.000 min

Lab File: BF135212.D

Acq: 13 Sep 2023 08:10

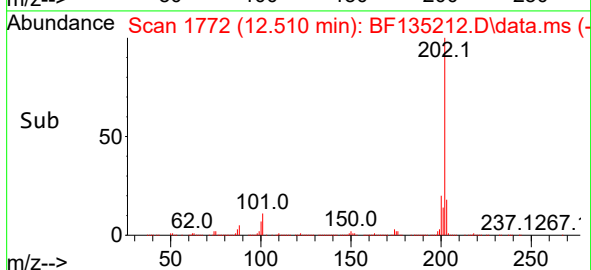
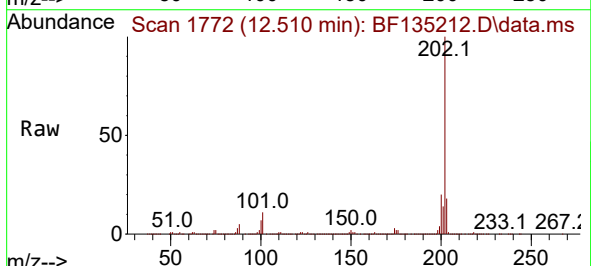
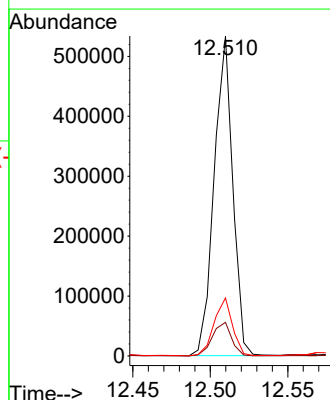
Tgt Ion:202 Resp: 446073

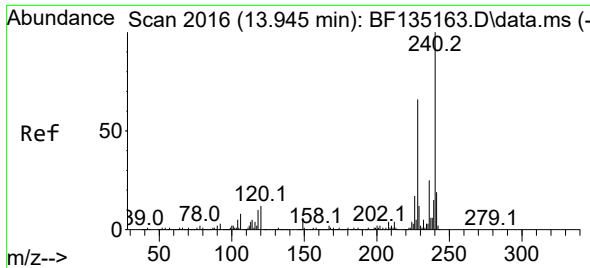
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.3

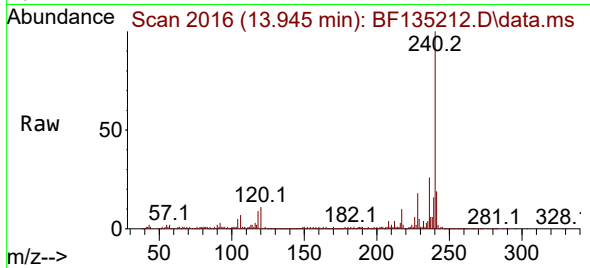
203 18.1 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

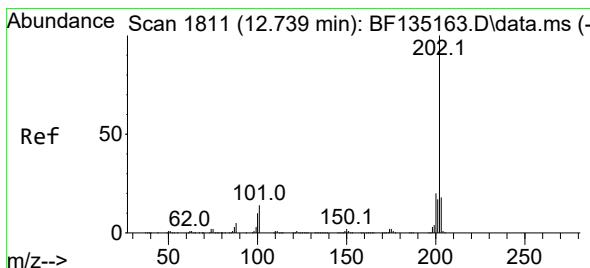
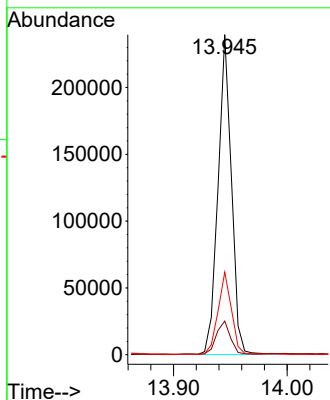
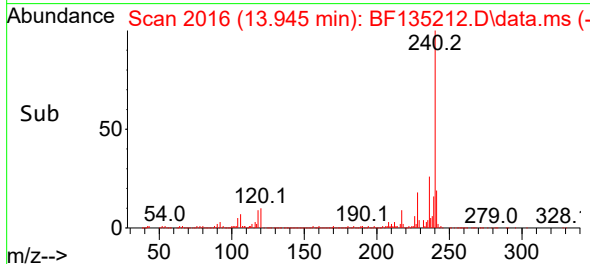
Instrument :
BNA_F
ClientSampleId :
SCF



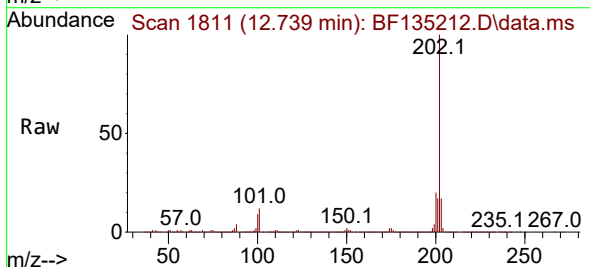
Tgt Ion:240 Resp: 196552
Ion Ratio Lower Upper
240 100
120 10.5 9.4 14.2
236 25.8 19.8 29.8

Manual Integrations
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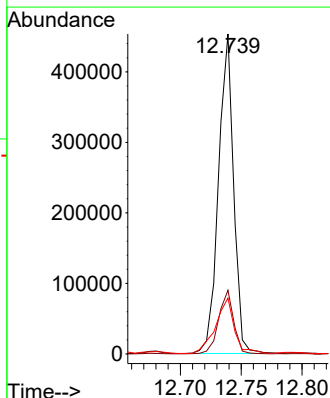
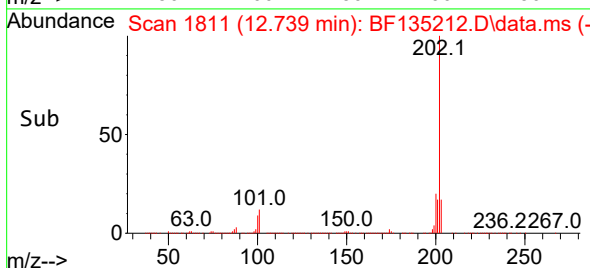
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

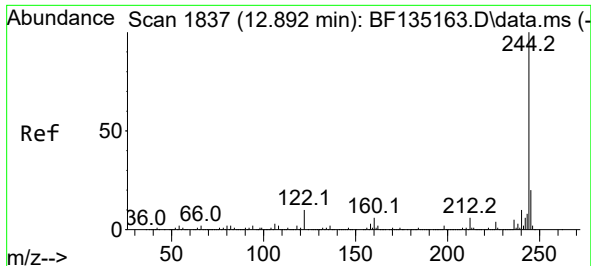


#78
Pyrene
Concen: 21.028 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10



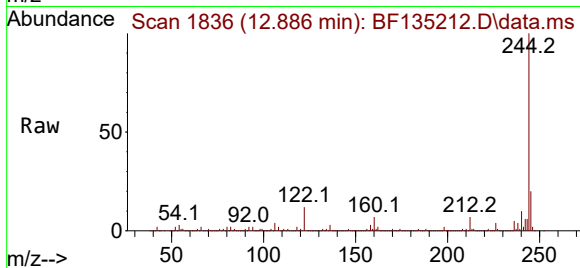
Tgt Ion:202 Resp: 393499
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 17.5 14.2 21.4





#79
Terphenyl-d14
Concen: 53.924 ng
RT: 12.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

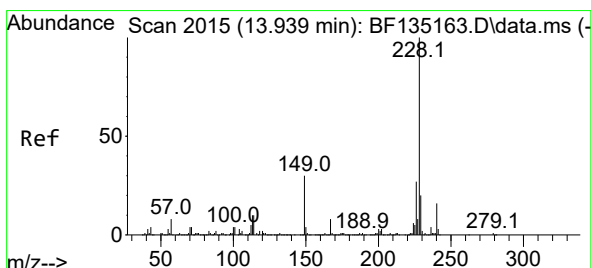
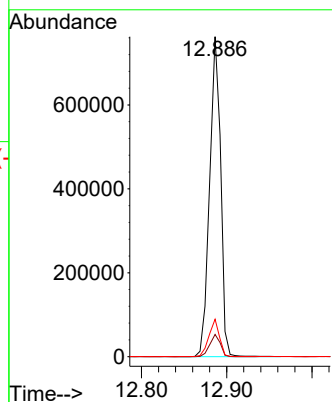
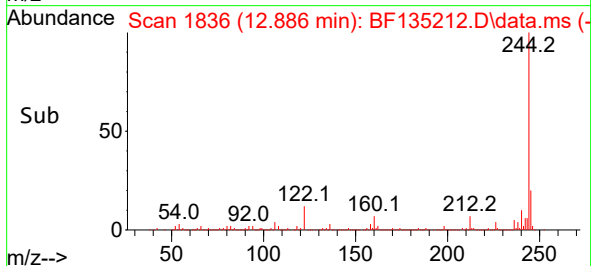
Instrument :
BNA_F
ClientSampleId :
SCF



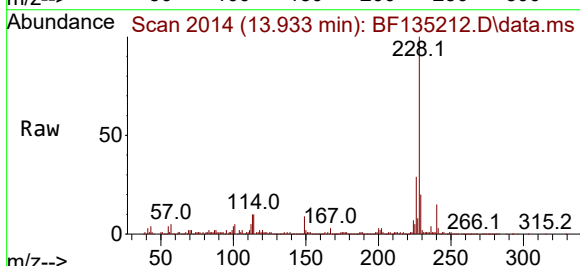
Tgt Ion:244 Resp: 68371
Ion Ratio Lower Upper
244 100
212 6.9 5.1 7.7
122 11.7 7.9 11.9

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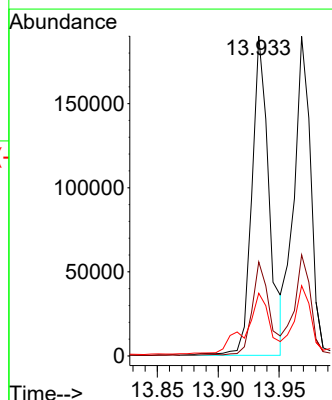
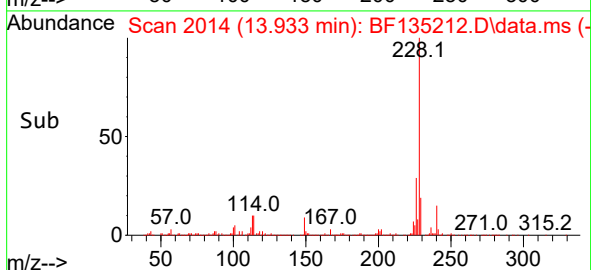
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

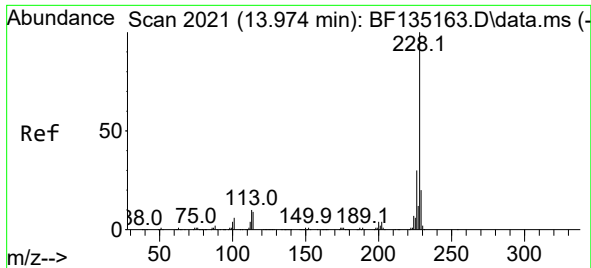


#81
Benzo(a)anthracene
Concen: 14.739 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10



Tgt Ion:228 Resp: 187063
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 19.6 15.8 23.8





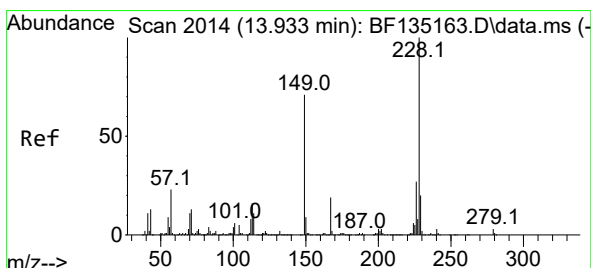
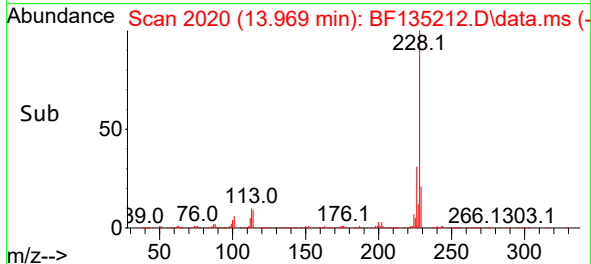
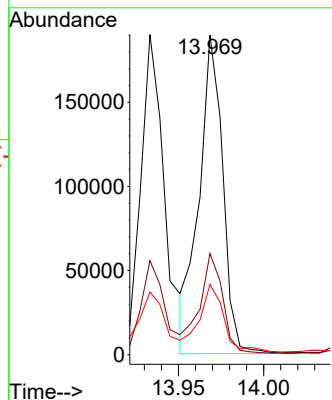
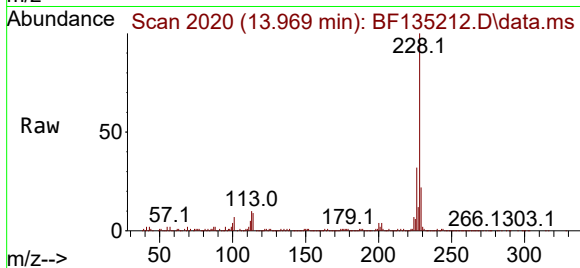
#83
Chrysene
Concen: 14.472 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

Instrument :
BNA_F
ClientSampleId :
SCF

Tgt Ion:228 Resp: 18261
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 22.0 16.0 24.0

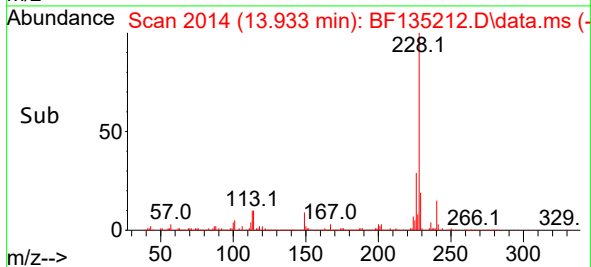
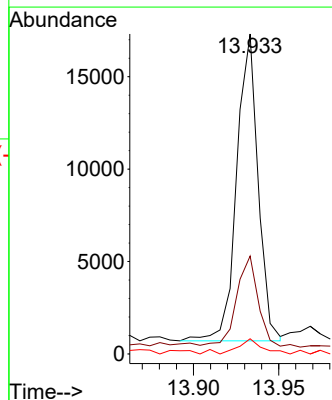
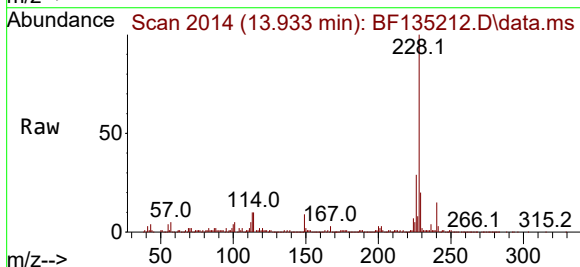
Manual Integrations
APPROVED

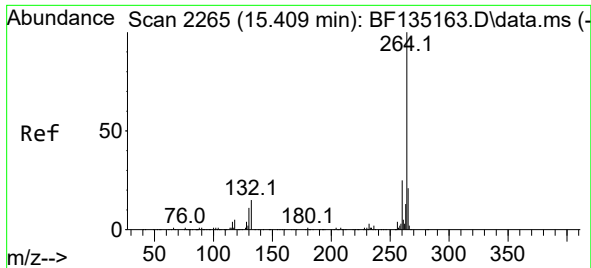
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.142 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

Tgt Ion:149 Resp: 14482
Ion Ratio Lower Upper
149 100
167 30.6 21.9 32.9
279 4.7 3.3 4.9





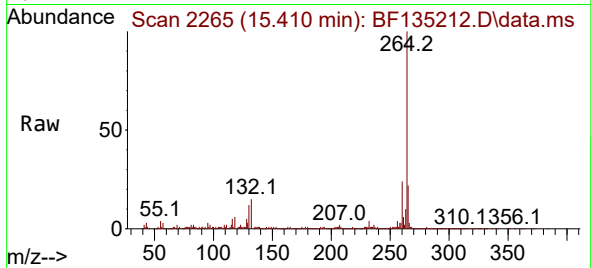
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 217714
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

Instrument :

BNA_F

ClientSampleId :

SCF

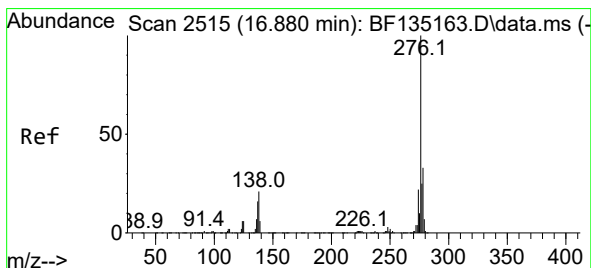
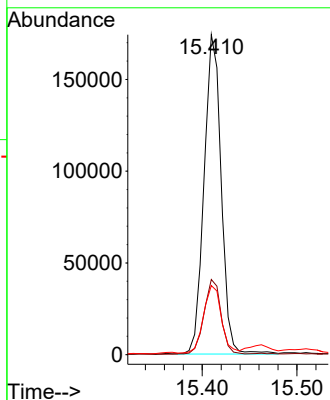
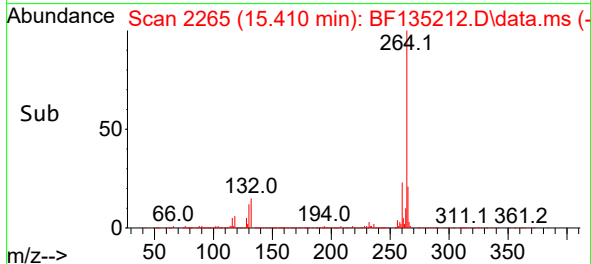


Tgt Ion:264 Resp: 217714
Ion Ratio Lower Upper
264 100
260 23.5 19.8 29.6
265 21.6 17.0 25.4

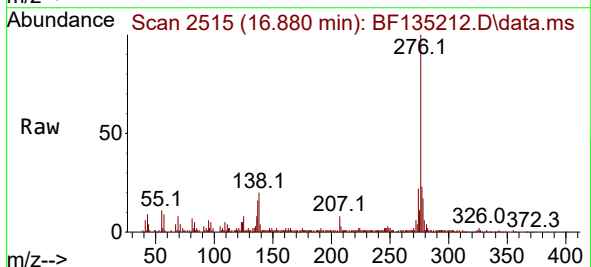
Manual Integrations

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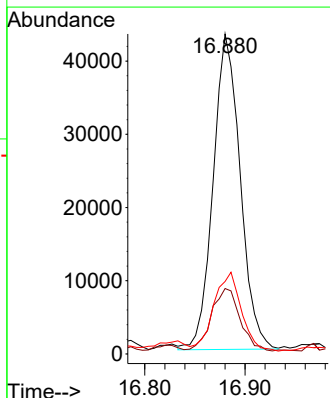
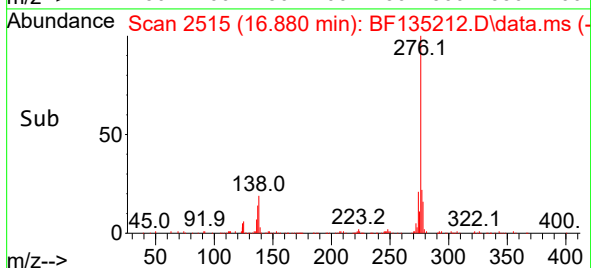
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

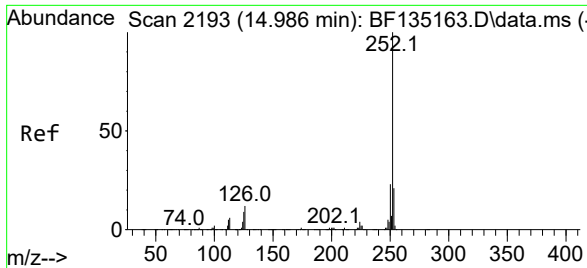


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.657 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10



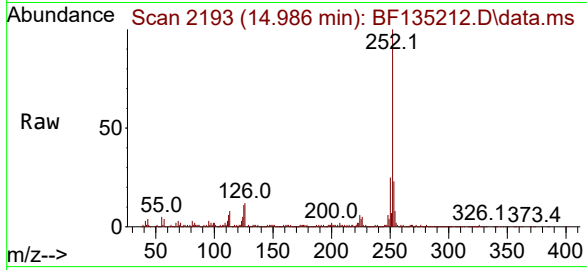
Tgt Ion:276 Resp: 80751
Ion Ratio Lower Upper
276 100
138 21.0 19.2 28.8
277 25.4 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 20.438 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

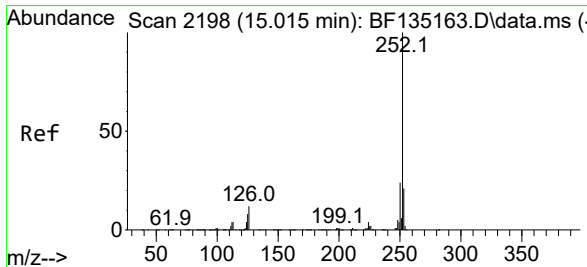
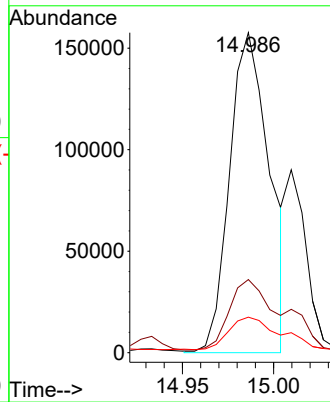
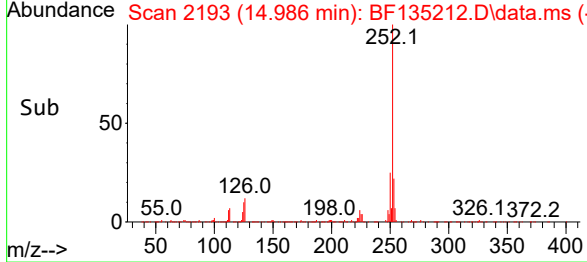
Instrument :
BNA_F
ClientSampleId :
SCF



Tgt Ion:252 Resp: 240879
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 11.1 7.1 10.7

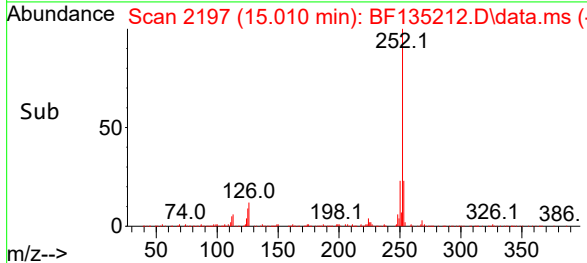
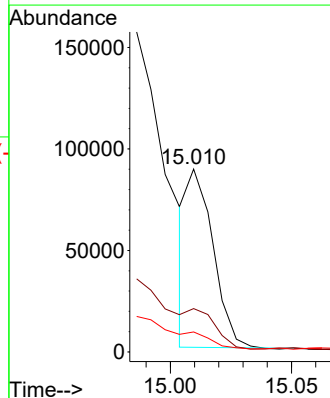
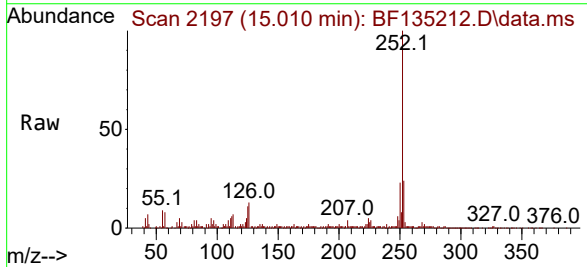
Manual Integrations
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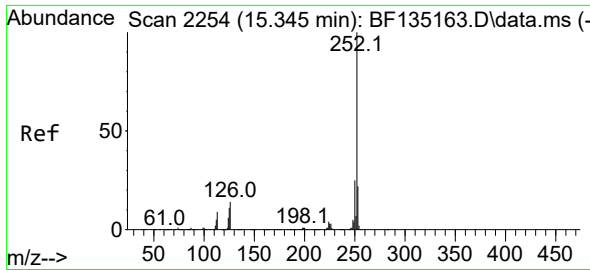
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#89
Benzo(k)fluoranthene
Concen: 5.511 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

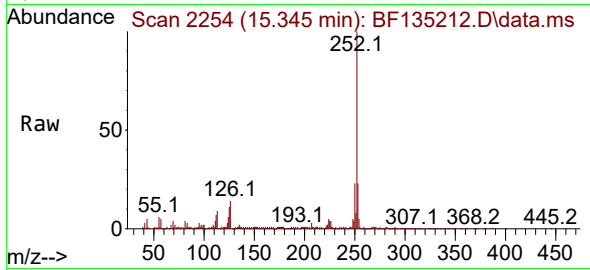
Tgt Ion:252 Resp: 64157
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 10.9 7.2 10.8





#90
Benzo(a)pyrene
Concen: 13.523 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10

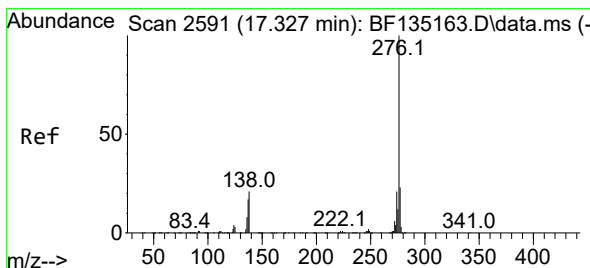
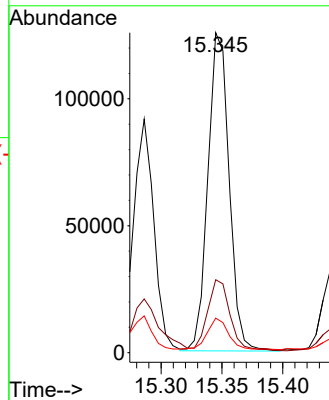
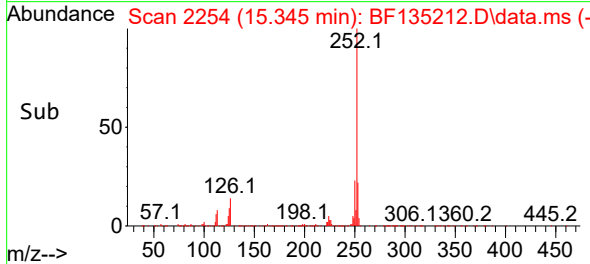
Instrument :
BNA_F
ClientSampleId :
SCF



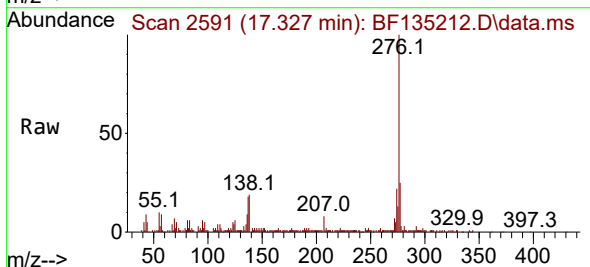
Tgt Ion:252 Resp: 151992
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.8 9.2 13.8

Manual Integrations
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Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#92
Benzo(g,h,i)perylene
Concen: 6.221 ng
RT: 17.327 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF135212.D
Acq: 13 Sep 2023 08:10



Tgt Ion:276 Resp: 75888
Ion Ratio Lower Upper
276 100
277 24.6 18.8 28.2
138 19.3 16.9 25.3

