

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135210.D
 Acq On : 13 Sep 2023 07:07
 Operator : CG\JU
 Sample : 04334-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 359

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 07:44:13 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	111095	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	423169	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	202665	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	339503	20.000	ng	0.00
76) Chrysene-d12	13.945	240	189181	20.000	ng	0.00
86) Perylene-d12	15.410	264	215381	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	711869	104.219	ng	0.01
7) Phenol-d6	6.404	99	920110	105.937	ng	0.00
23) Nitrobenzene-d5	7.328	82	551495	70.805	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	210460	104.499	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	973378	72.462	ng	0.00
79) Terphenyl-d14	12.886	244	744951	61.043	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.316	178	323273	20.133	ng	99
72) Anthracene	11.363	178	36108	2.188	ng	97
75) Fluoranthene	12.510	202	384204	22.963	ng	98
78) Pyrene	12.739	202	322534	17.907	ng	99
81) Benzo(a)anthracene	13.933	228	130483	10.681	ng	97
83) Chrysene	13.969	228	162628m	13.390	ng	
84) Bis(2-ethylhexyl)phtha...	13.933	149	42881	6.589	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	72883	5.161	ng	96
88) Benzo(b)fluoranthene	14.980	252	208362m	17.871	ng	
89) Benzo(k)fluoranthene	15.010	252	46551m	4.042	ng	
90) Benzo(a)pyrene	15.345	252	121307	10.910	ng	98
92) Benzo(g,h,i)perylene	17.321	276	69597	5.767	ng	100

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

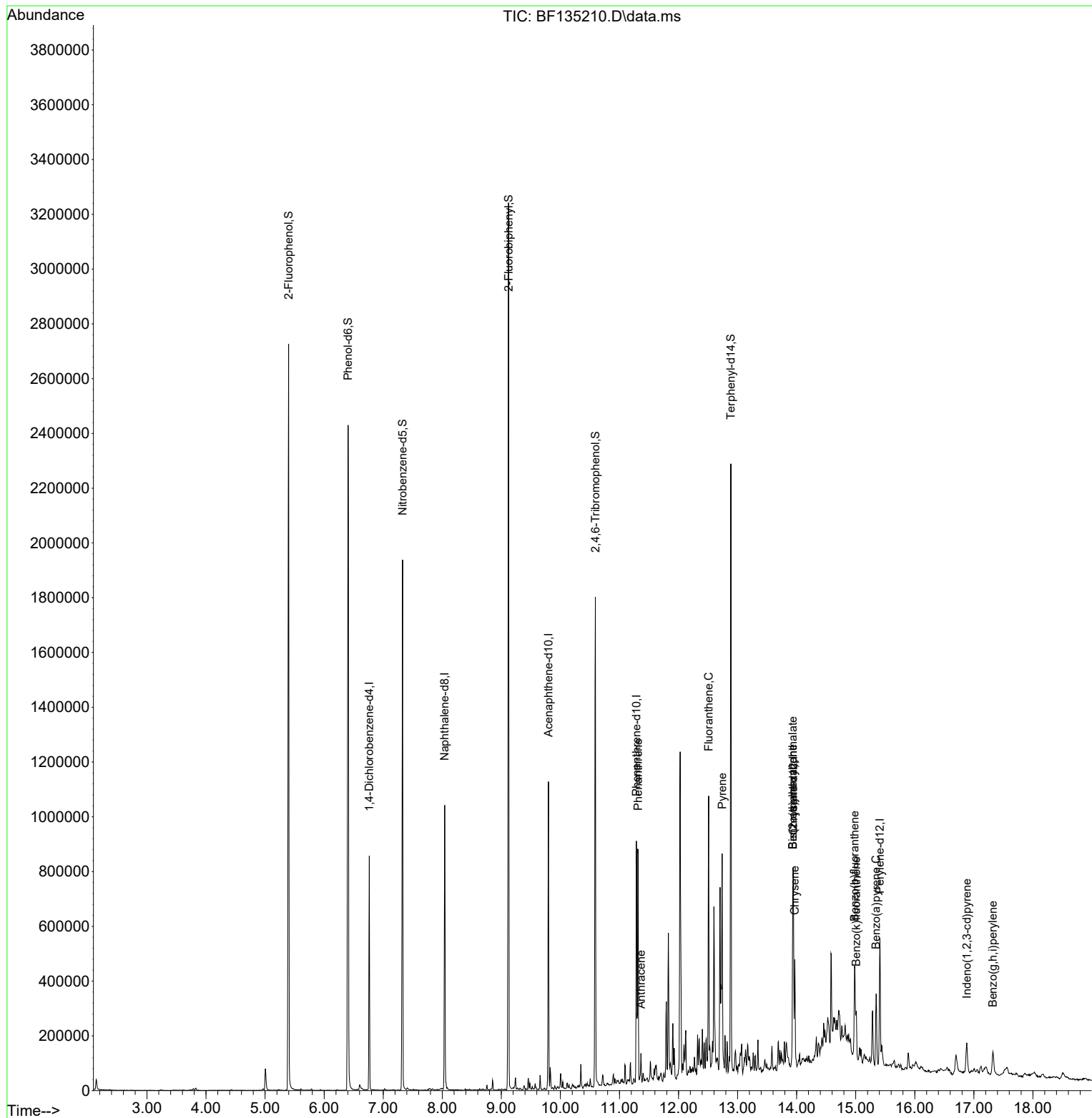
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135210.D
Acq On : 13 Sep 2023 07:07
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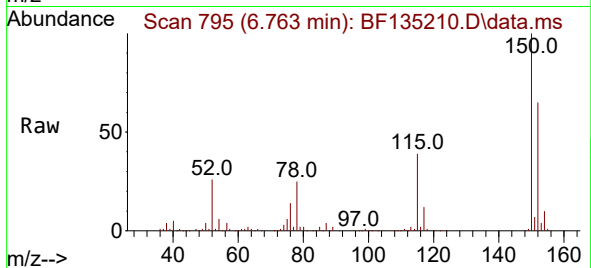
Quant Time: Sep 13 07:44:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

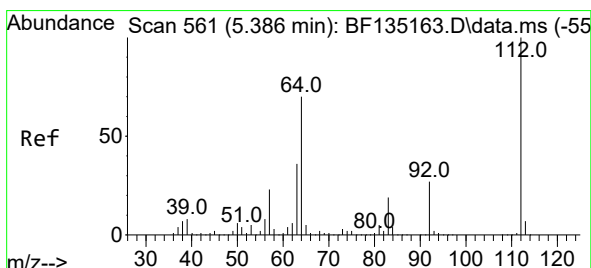
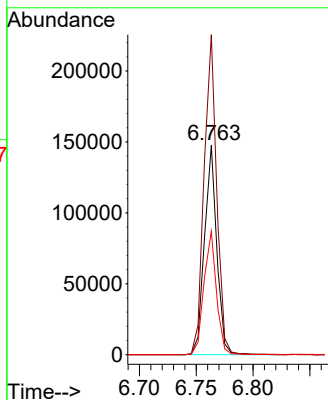
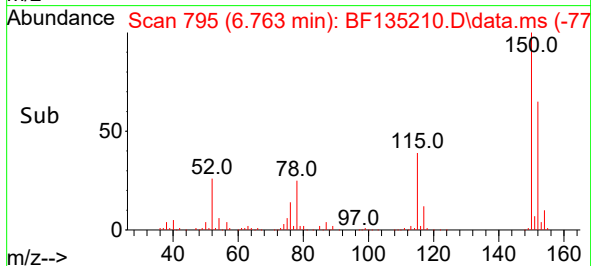
Instrument :
BNA_F
ClientSampleId :
359



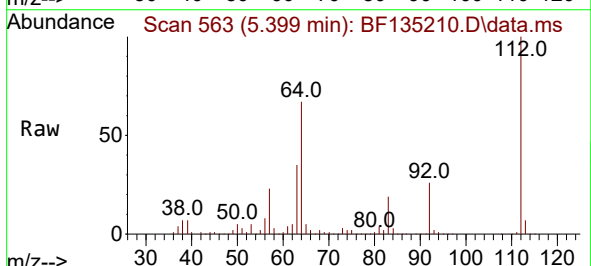
Tgt Ion:152 Resp: 111095
Ion Ratio Lower Upper
152 100
150 152.8 127.8 191.6
115 59.0 49.8 74.8

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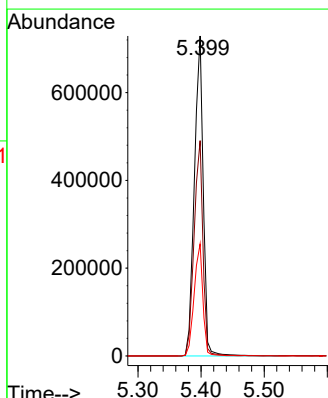
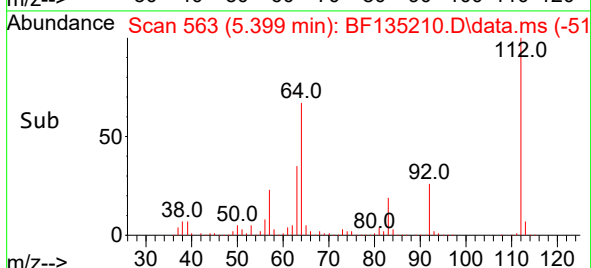
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

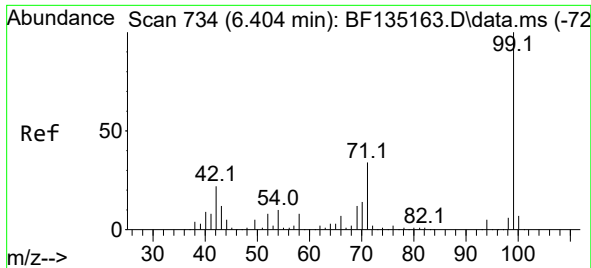


#5
2-Fluorophenol
Concen: 104.219 ng
RT: 5.399 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07



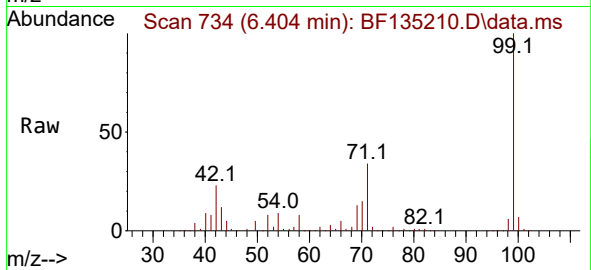
Tgt Ion:112 Resp: 711869
Ion Ratio Lower Upper
112 100
64 67.3 55.9 83.9
63 35.1 29.0 43.6





#7
Phenol-d6
Concen: 105.937 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

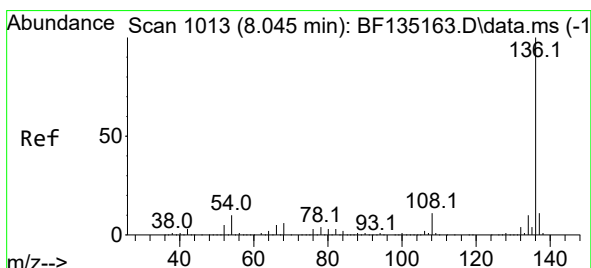
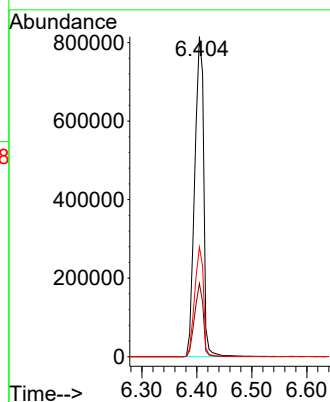
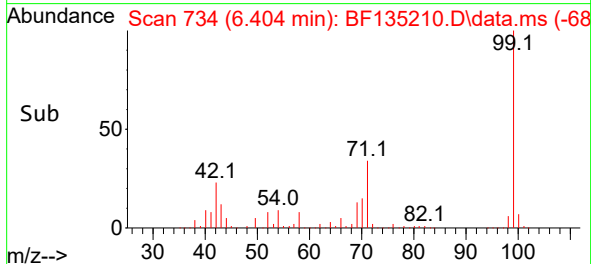
Instrument :
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ClientSampleId :
359



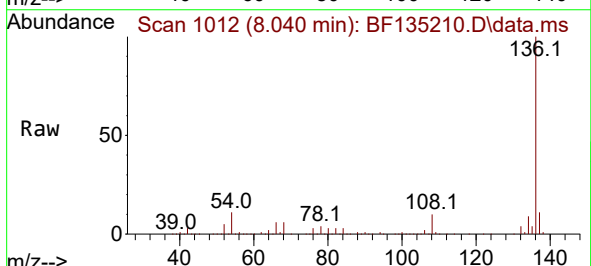
Tgt Ion: 99 Resp: 920110
Ion Ratio Lower Upper
99 100
42 22.9 17.9 26.9
71 34.3 27.0 40.6

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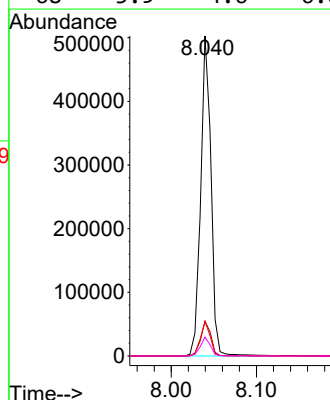
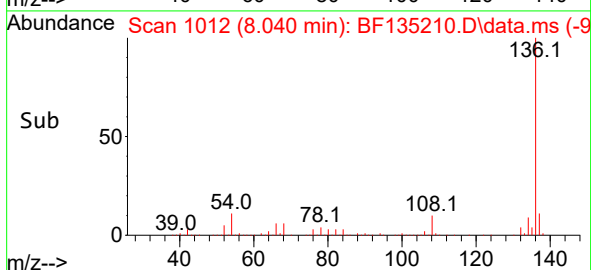
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07



Tgt Ion:136 Resp: 423169
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.8 7.7 11.5
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 70.805 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

Instrument :

BNA_F

ClientSampleId :

359

Tgt Ion: 82 Resp: 55149

Ion Ratio Lower Upper

82 100

128 45.2 35.8 53.6

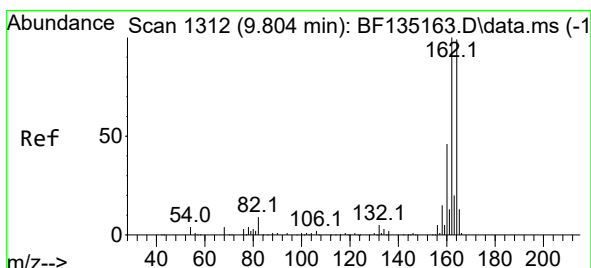
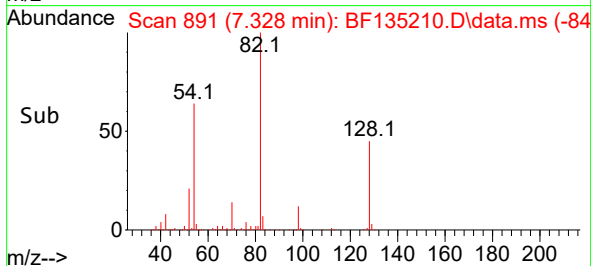
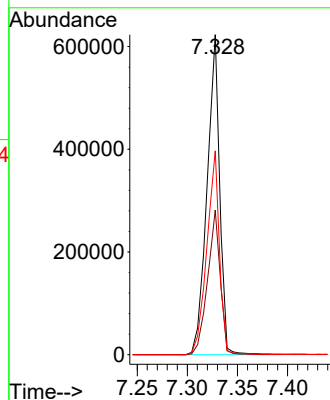
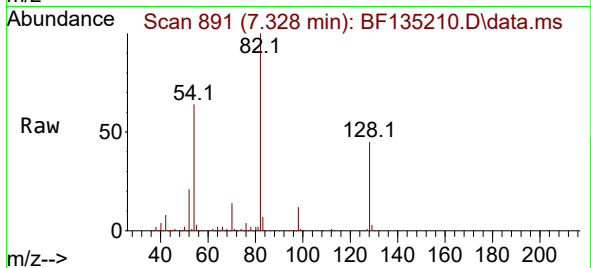
54 63.7 50.6 76.0

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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: BF135210.D

Acq: 13 Sep 2023 07:07

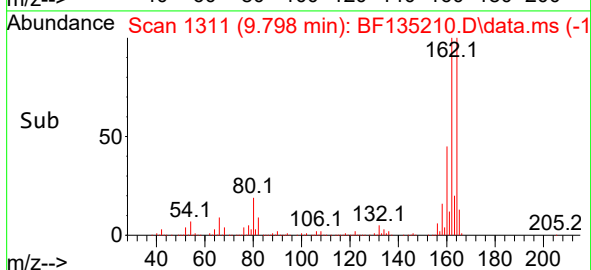
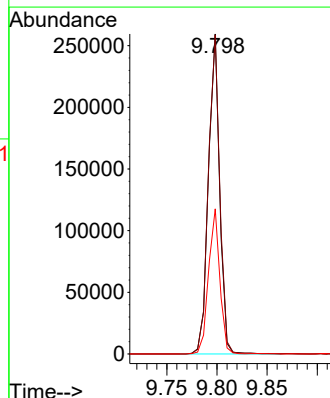
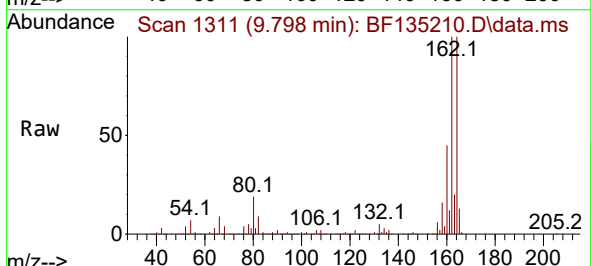
Tgt Ion:164 Resp: 202665

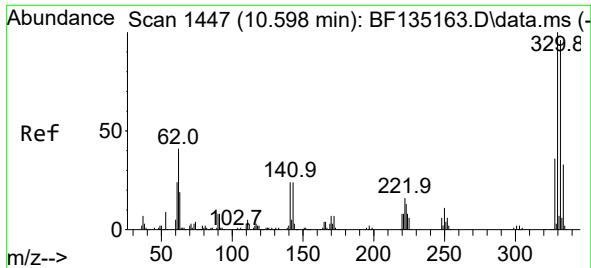
Ion Ratio Lower Upper

164 100

162 99.7 81.0 121.4

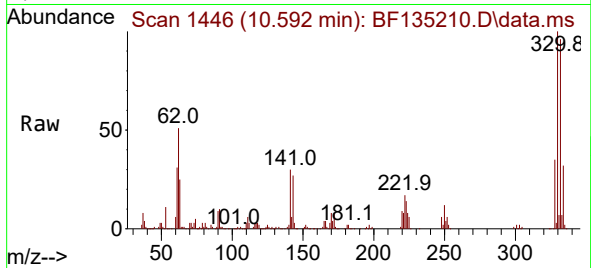
160 45.3 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 104.499 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

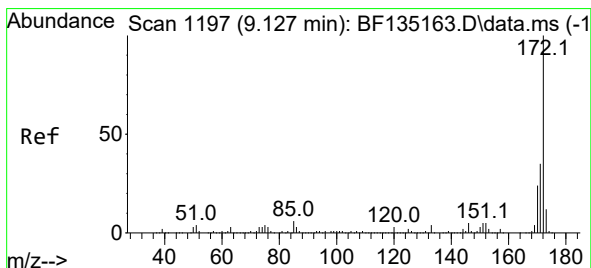
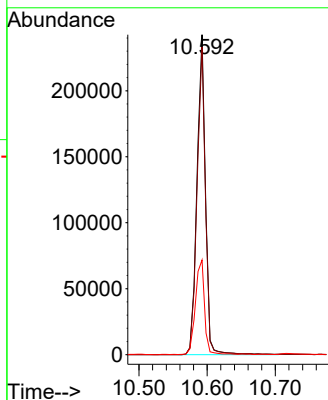
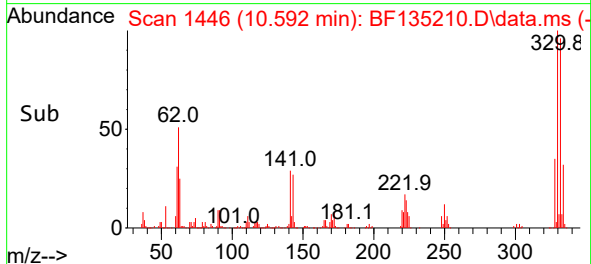
Instrument :
BNA_F
ClientSampleId :
359



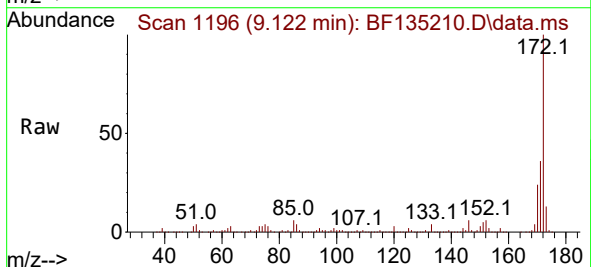
Tgt Ion: 330 Resp: 210460
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 32.0 25.8 38.8

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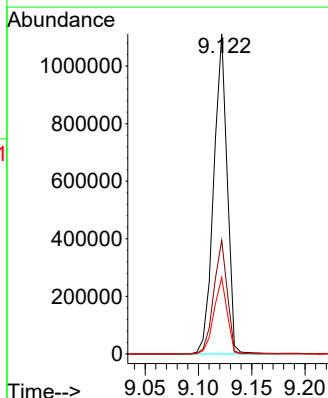
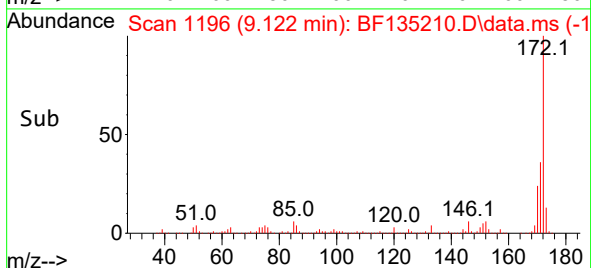
Reviewed By : Yogesh Patel 09/13/2023
Supervised By : mohammad ahmed 09/14/2023

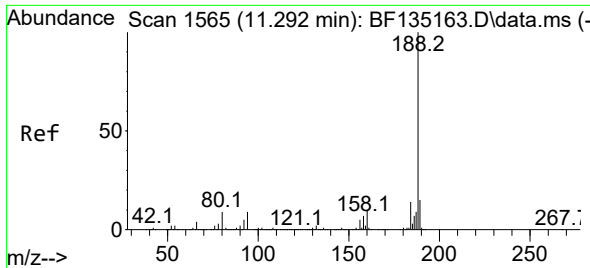


#45
2-Fluorobiphenyl
Concen: 72.462 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07



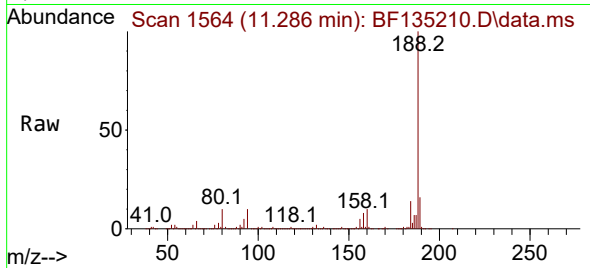
Tgt Ion: 172 Resp: 973378
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.9 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

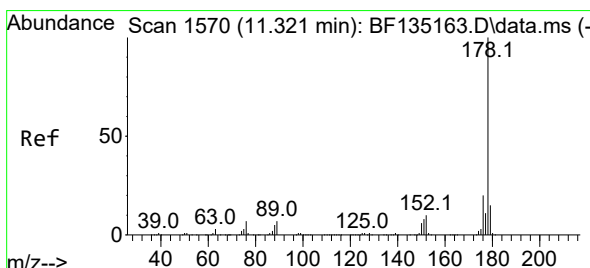
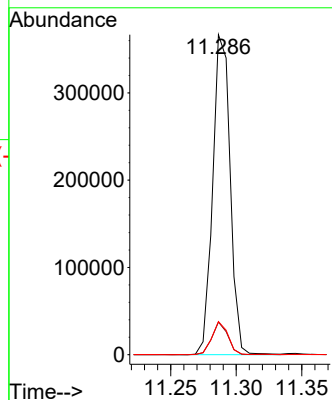
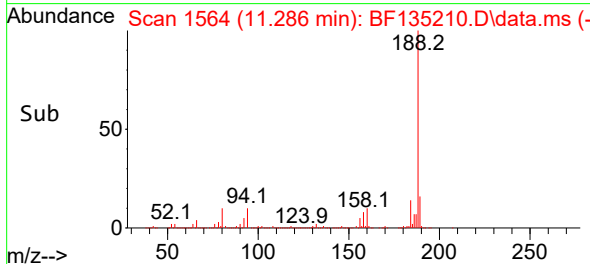
Instrument :
BNA_F
ClientSampleId :
359



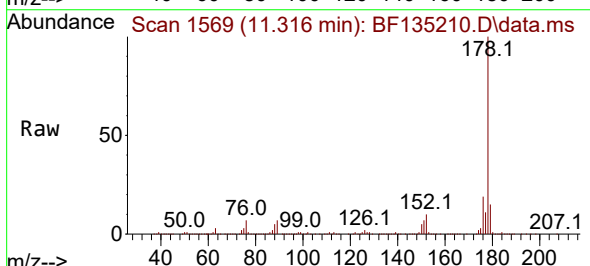
Tgt Ion:188 Resp: 339500
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 10.4 7.5 11.3

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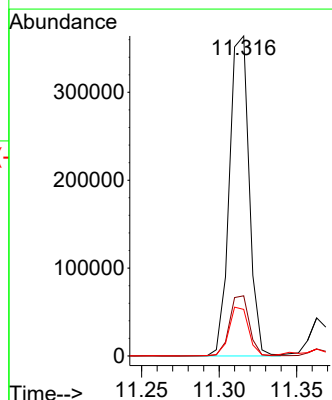
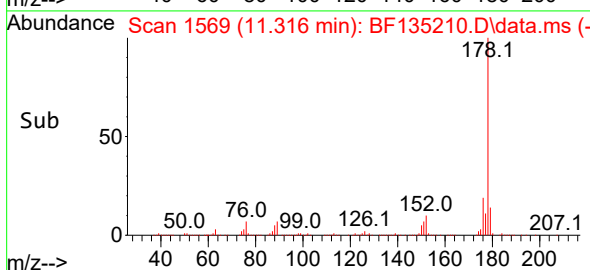
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

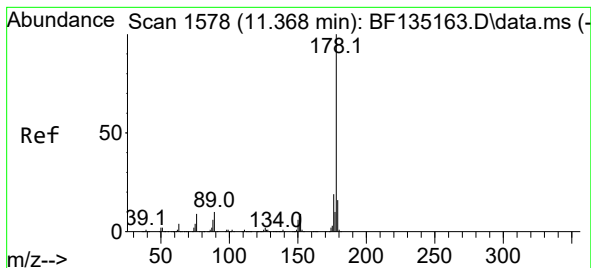


#71
Phenanthrene
Concen: 20.133 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07



Tgt Ion:178 Resp: 323273
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 14.6 12.0 18.0





#72

Anthracene

Concen: 2.188 ng

RT: 11.363 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

Instrument :

BNA_F

ClientSampleId :

359

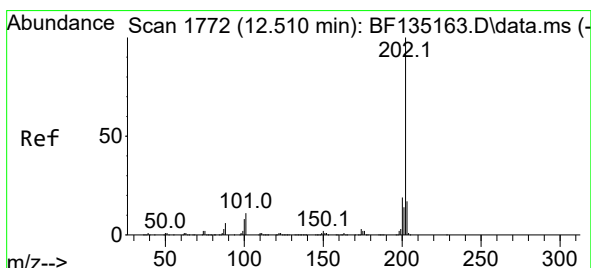
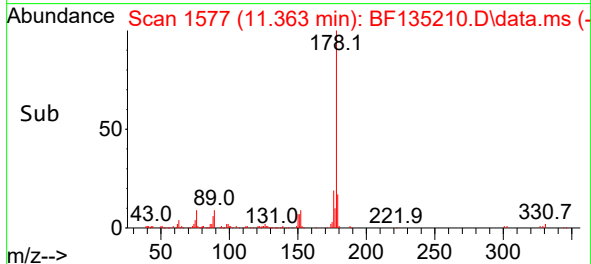
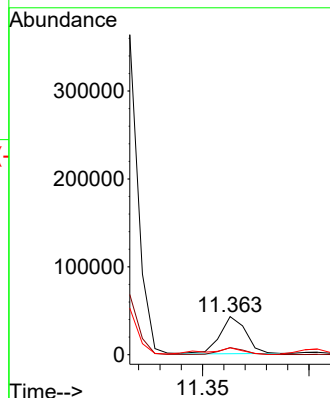
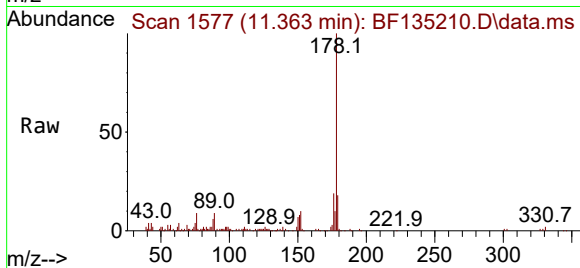
Tgt Ion:178	Resp:	36108
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.4 23.2
179	18.1	12.6 19.0

Manual Integrations

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Supervised By :mohammad ahmed 09/14/2023



#75

Fluoranthene

Concen: 22.963 ng

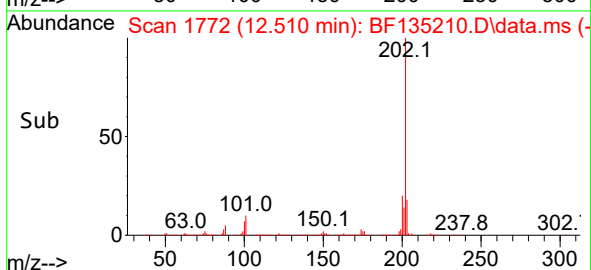
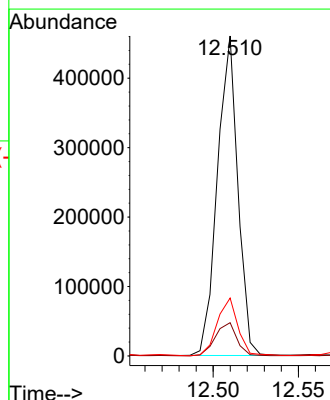
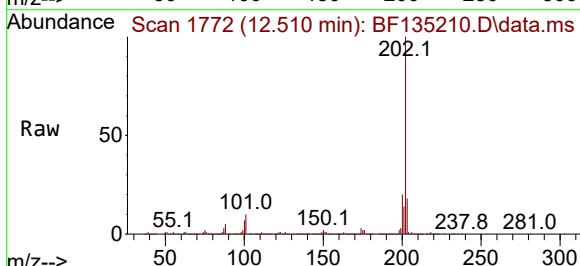
RT: 12.510 min Scan# 1772

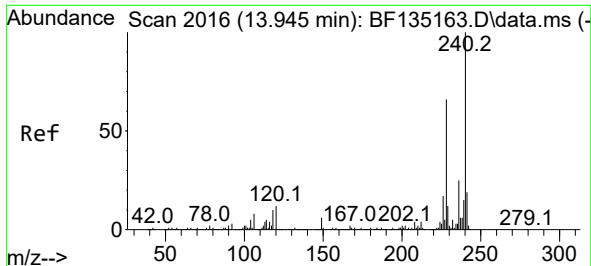
Delta R.T. 0.000 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

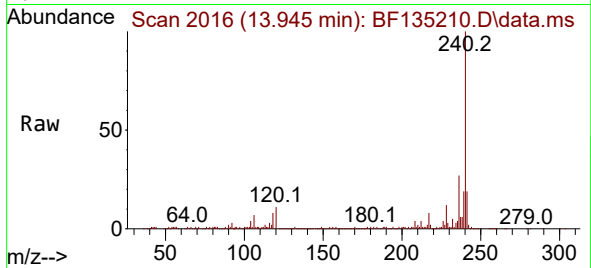
Tgt Ion:202	Resp:	384204
Ion Ratio	Lower	Upper
202	100	
101	10.4	0.0 31.3
203	18.1	0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

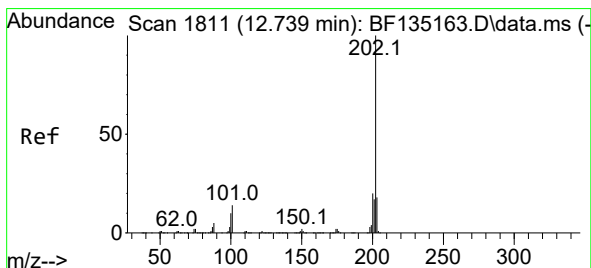
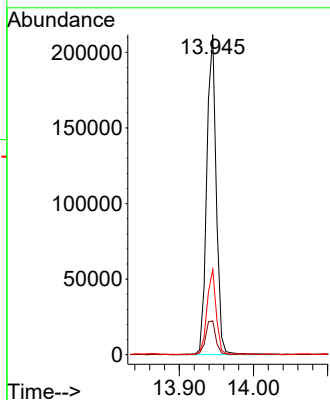
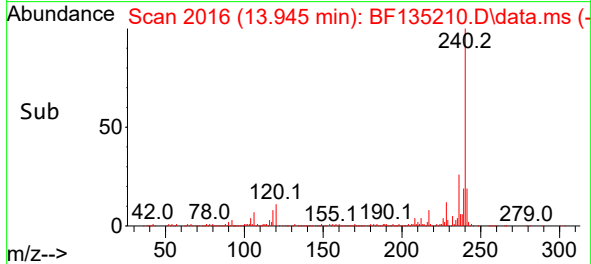
Instrument :
BNA_F
ClientSampleId :
359



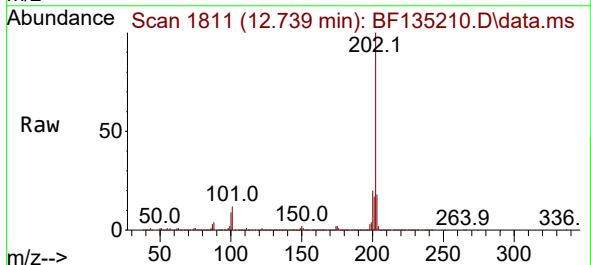
Tgt Ion:240 Resp: 18918
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 26.6 19.8 29.8

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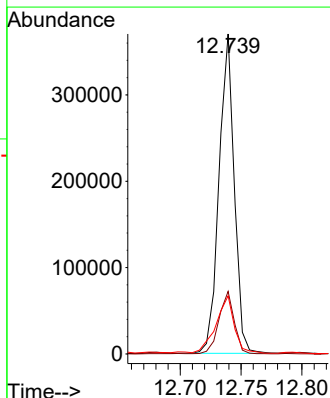
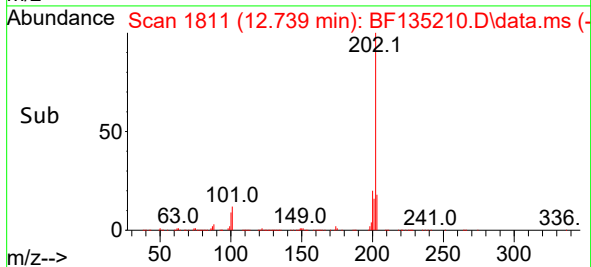
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

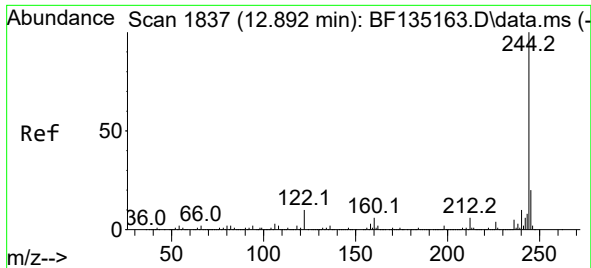


#78
Pyrene
Concen: 17.907 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07



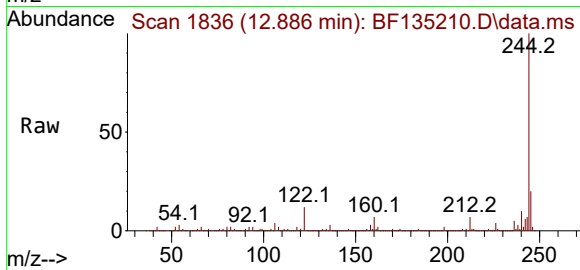
Tgt Ion:202 Resp: 322534
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 18.2 14.2 21.4





#79
Terphenyl-d14
Concen: 61.043 ng
RT: 12.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

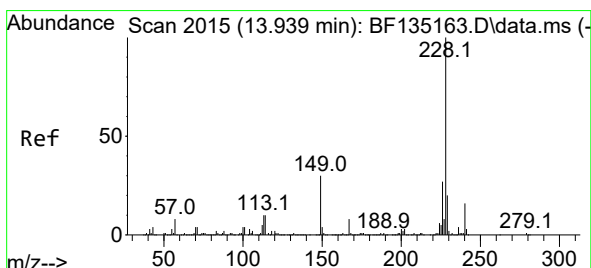
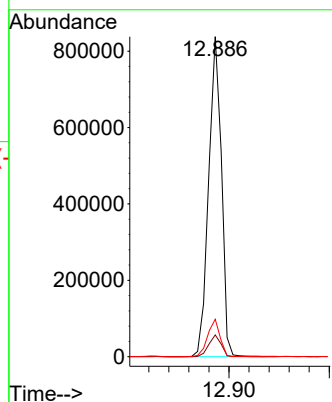
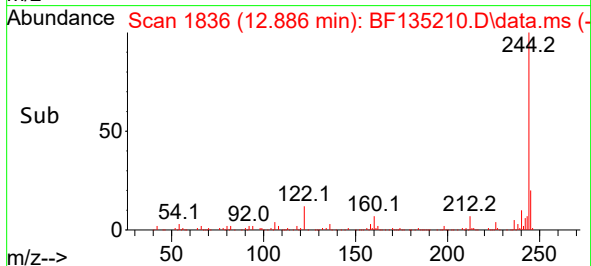
Instrument :
BNA_F
ClientSampleId :
359



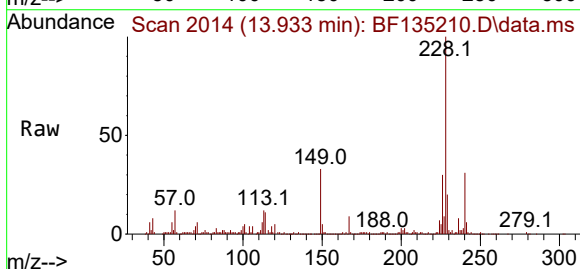
Tgt Ion:244 Resp: 74495
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 11.7 7.9 11.9

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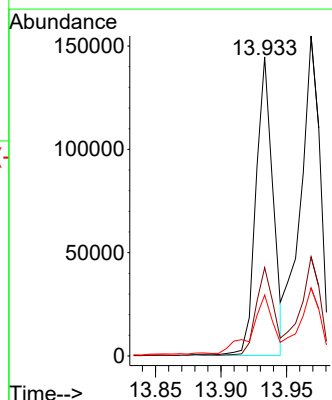
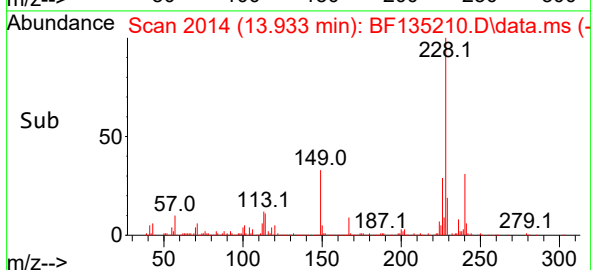
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

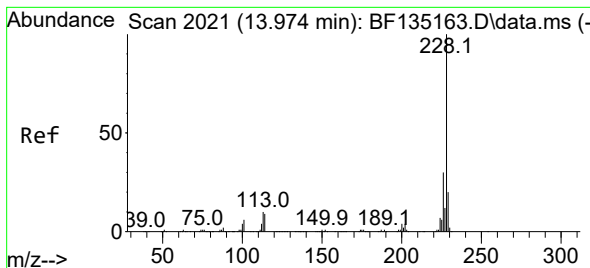


#81
Benzo(a)anthracene
Concen: 10.681 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07



Tgt Ion:228 Resp: 130483
Ion Ratio Lower Upper
228 100
226 29.5 21.7 32.5
229 20.4 15.8 23.8





#83

Chrysene

Concen: 13.390 ng m

RT: 13.969 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

Instrument :

BNA_F

ClientSampleId :

359

Tgt Ion:228 Resp: 16262

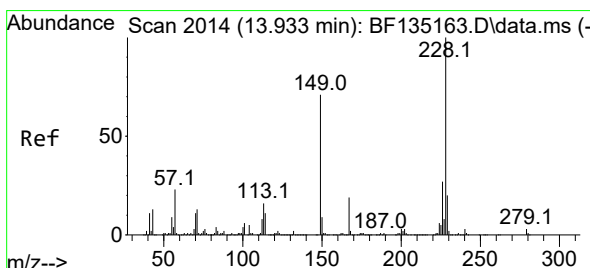
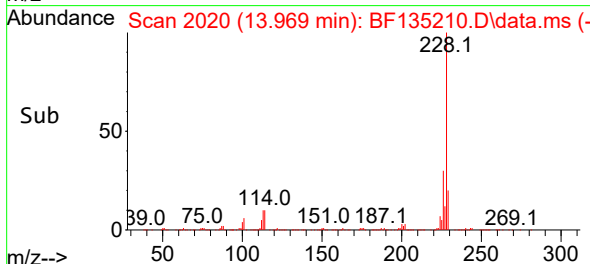
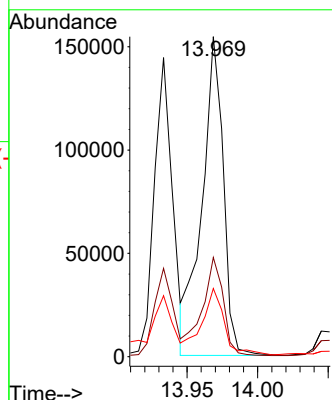
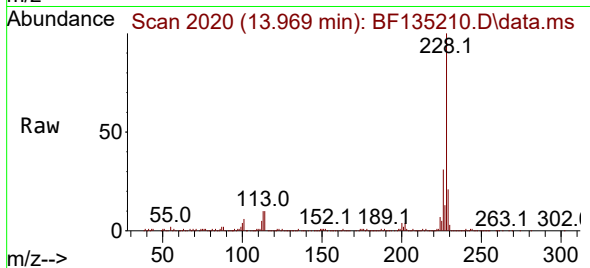
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.3	36.5
229	21.3	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.589 ng

RT: 13.933 min Scan# 2014

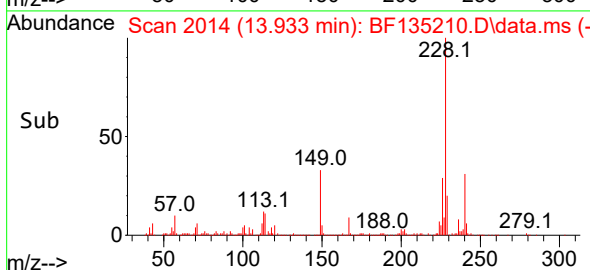
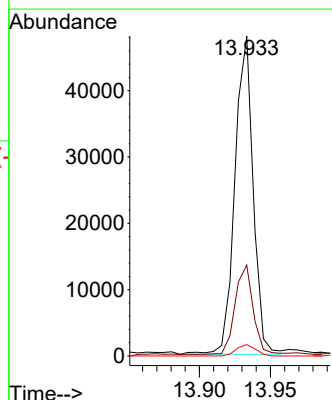
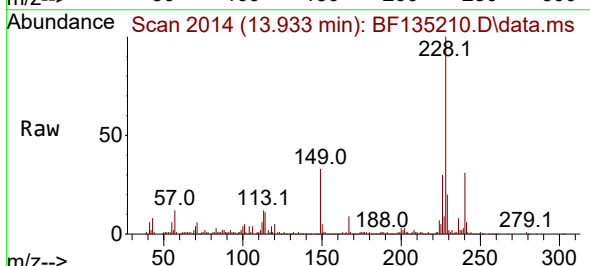
Delta R.T. 0.000 min

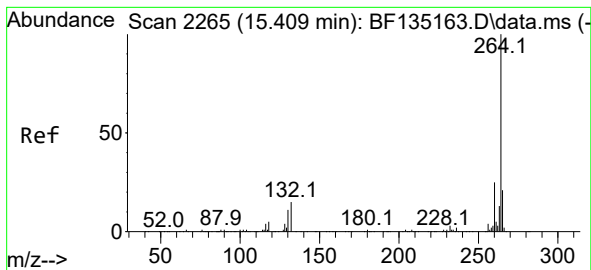
Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

Tgt Ion:149 Resp: 42881

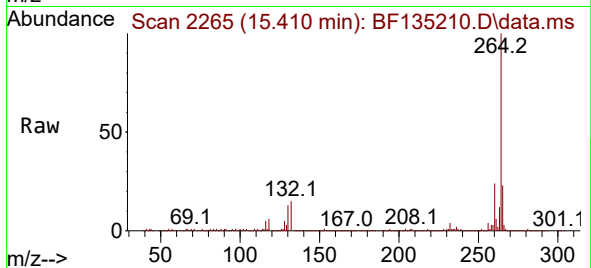
Ion	Ratio	Lower	Upper
149	100		
167	28.4	21.9	32.9
279	3.6	3.3	4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21538
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

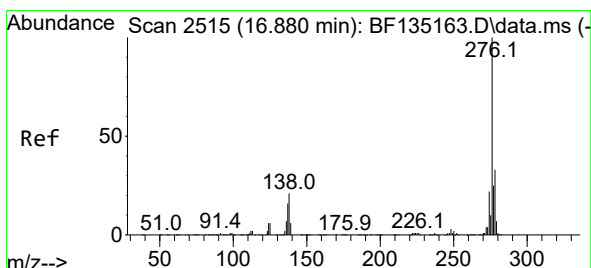
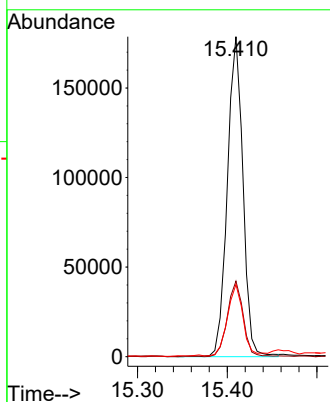
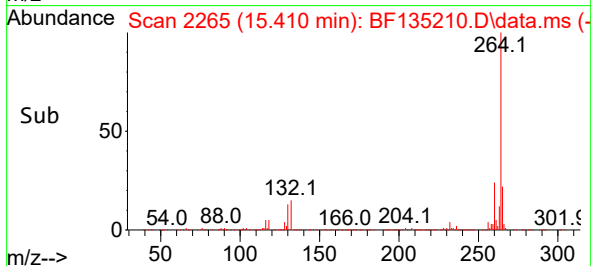
Instrument :
BNA_F
ClientSampleId :
359



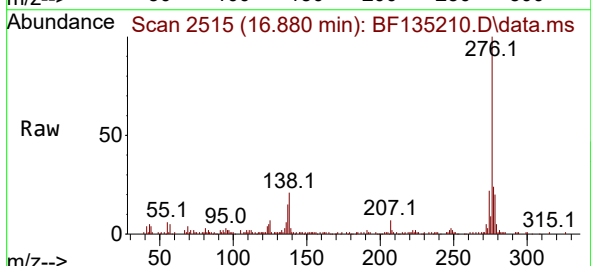
Tgt Ion:264 Resp: 21538
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 22.5 17.0 25.4

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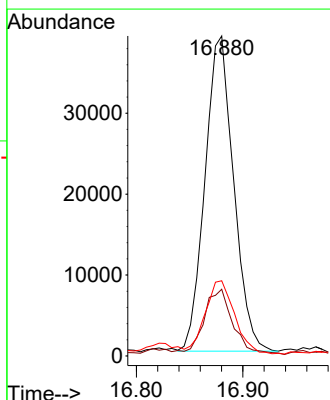
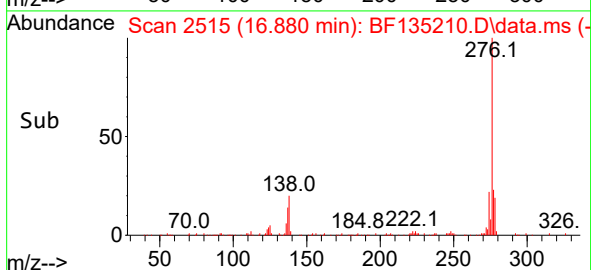
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

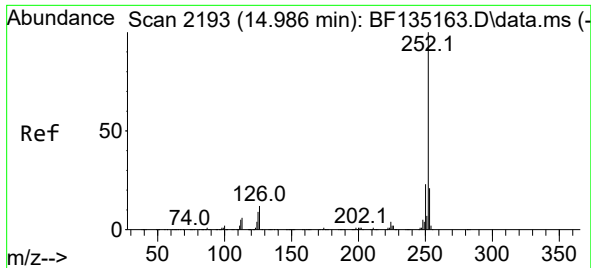


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.161 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07



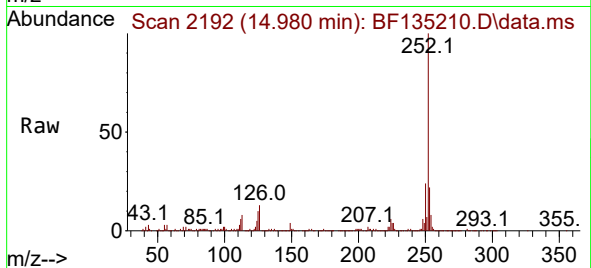
Tgt Ion:276 Resp: 72883
Ion Ratio Lower Upper
276 100
138 20.7 19.2 28.8
277 24.0 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 17.871 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

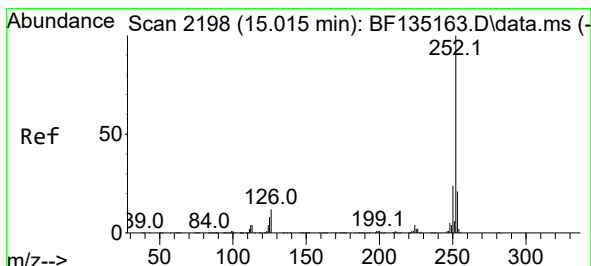
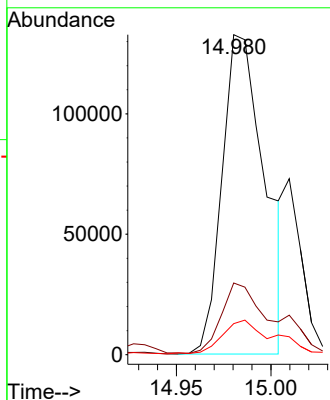
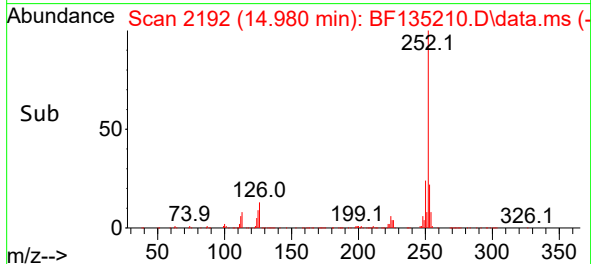
Instrument :
BNA_F
ClientSampleId :
359



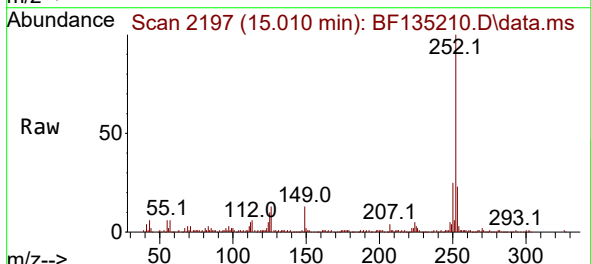
Tgt Ion:252 Resp: 208362
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 9.7 7.1 10.7

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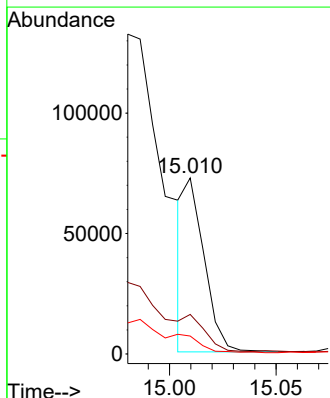
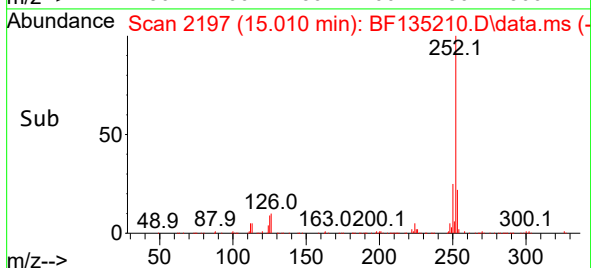
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

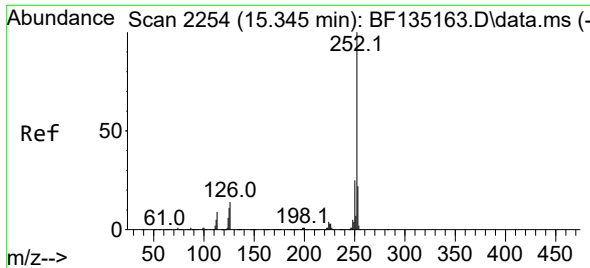


#89
Benzo(k)fluoranthene
Concen: 4.042 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07



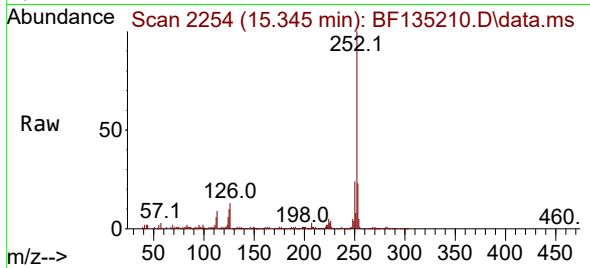
Tgt Ion:252 Resp: 46551
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.2 7.2 10.8





#90
Benzo(a)pyrene
Concen: 10.910 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

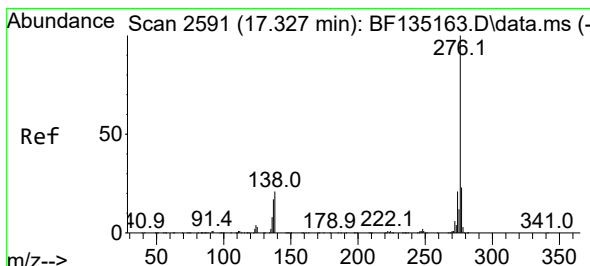
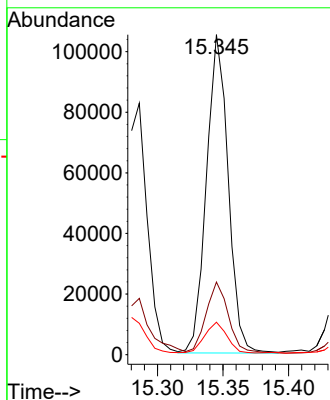
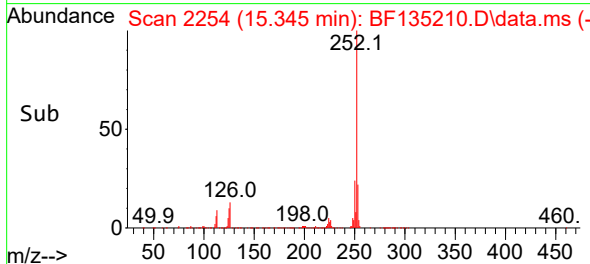
Instrument :
BNA_F
ClientSampleId :
359



Tgt Ion:252 Resp: 12130
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.2 9.2 13.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 5.767 ng
RT: 17.321 min Scan# 2590
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

Tgt Ion:276 Resp: 69597
Ion Ratio Lower Upper
276 100
277 23.4 18.8 28.2
138 21.4 16.9 25.3

