

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102023\
 Data File : BF135914.D
 Acq On : 20 Oct 2023 18:41
 Operator : CG\JU
 Sample : 04935-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-10172023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2023
 Supervised By :mohammad ahmed 10/21/2023

Quant Time: Oct 20 19:02:22 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	6.734	152	78547	20.000	ng	-0.01
21) Naphthalene-d8	8.010	136	280811	20.000	ng	-0.01
39) Acenaphthene-d10	9.769	164	118313	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	196700	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	115845	20.000	ng	-0.02
86) Perylene-d12	15.415	264	95890	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	196218	40.163	ng	0.00
7) Phenol-d6	6.386	99	224443	36.819	ng	-0.01
23) Nitrobenzene-d5	7.298	82	150413	29.460	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	37553	33.077	ng	-0.02
45) 2-Fluorobiphenyl	9.086	172	262667	34.712	ng	-0.02
79) Terphenyl-d14	12.863	244	200349	32.028	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.633	152	67352	6.231	ng	98
71) Phenanthrene	11.292	178	92528	9.820	ng	98
72) Anthracene	11.351	178	41468	4.247	ng	99
75) Fluoranthene	12.492	202	414179	39.603	ng	98
78) Pyrene	12.721	202	439372	47.728	ng	99
81) Benzo(a)anthracene	13.927	228	230492	30.291	ng	95
83) Chrysene	13.962	228	212064	28.774	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	92162	17.639	ng	# 94
88) Benzo(b)fluoranthene	14.986	252	226363m	42.180	ng	
89) Benzo(k)fluoranthene	15.015	252	80768m	15.502	ng	
90) Benzo(a)pyrene	15.357	252	157564	31.223	ng	95
91) Dibenzo(a,h)anthracene	16.921	278	24021	5.608	ng	# 80
92) Benzo(g,h,i)perylene	17.392	276	88897	20.205	ng	97

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

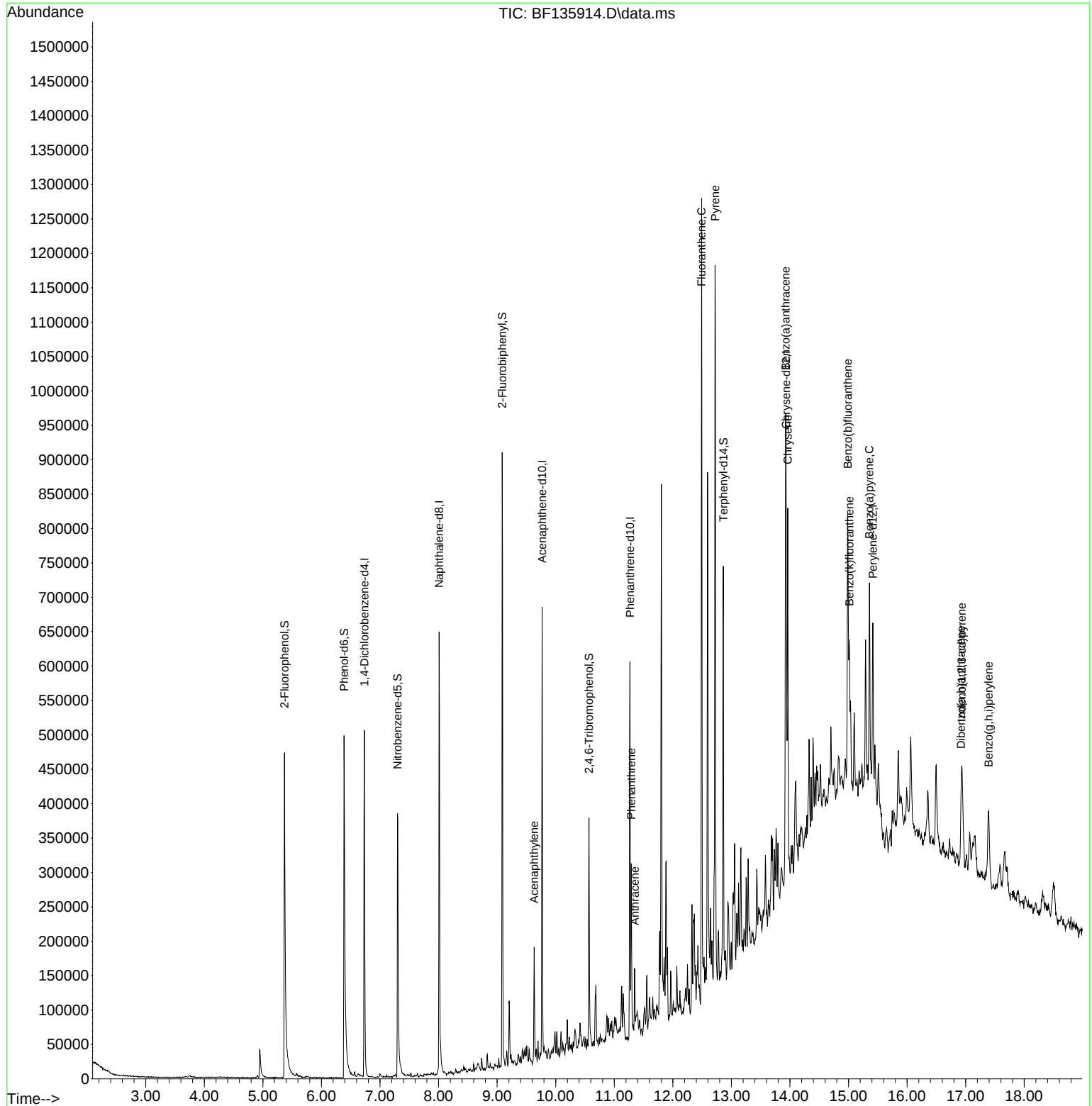
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102023\
Data File : BF135914.D
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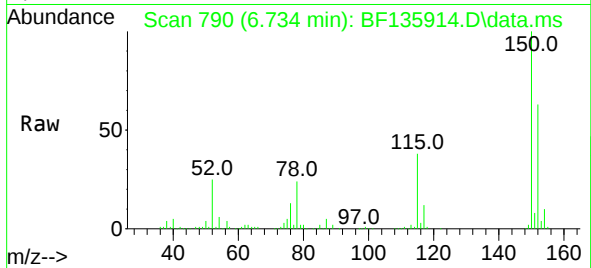
Quant Time: Oct 20 19:02:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

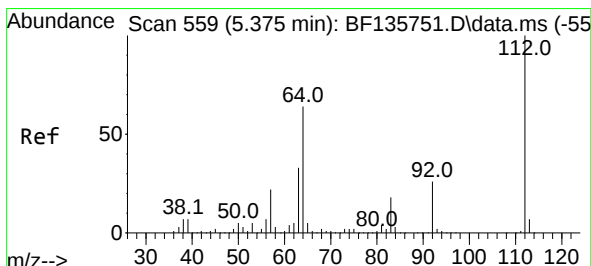
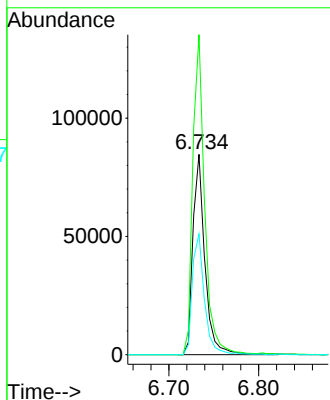
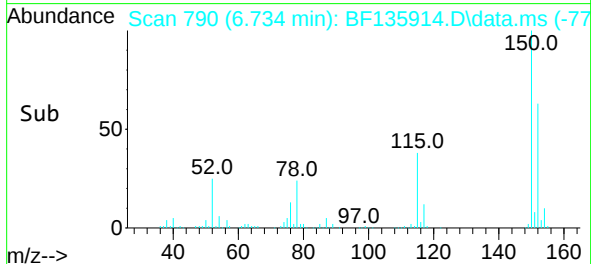
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023



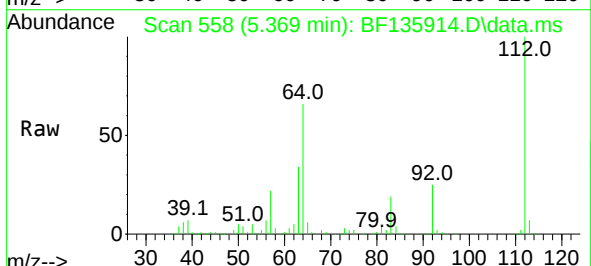
Tgt Ion:152 Resp: 7854
Ion Ratio Lower Upper
152 100
150 159.7 124.5 186.7
115 60.3 49.0 73.4

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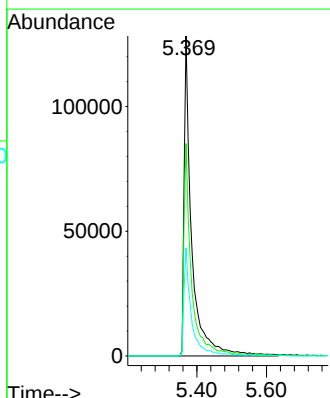
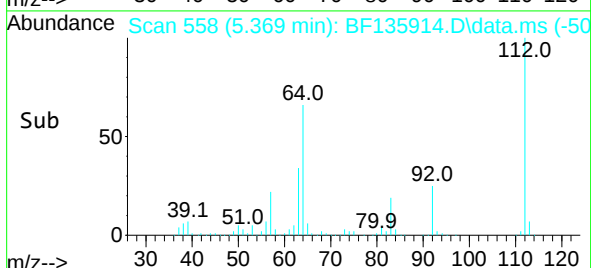
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

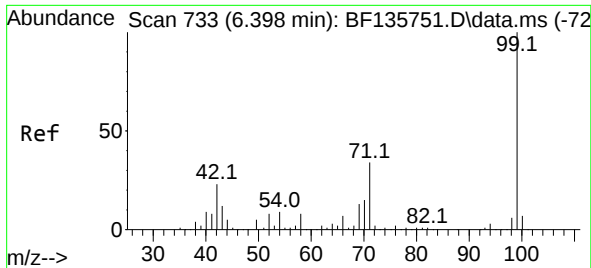


#5
2-Fluorophenol
Concen: 40.163 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41



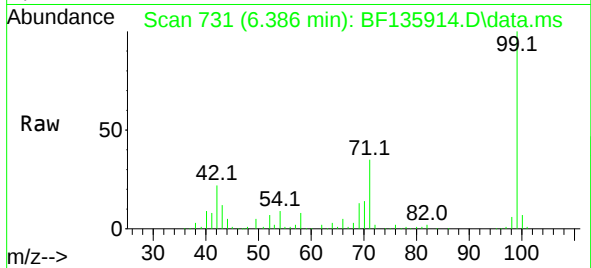
Tgt Ion:112 Resp: 196218
Ion Ratio Lower Upper
112 100
64 66.4 51.2 76.8
63 33.8 26.1 39.1





#7
Phenol-d6
Concen: 36.819 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

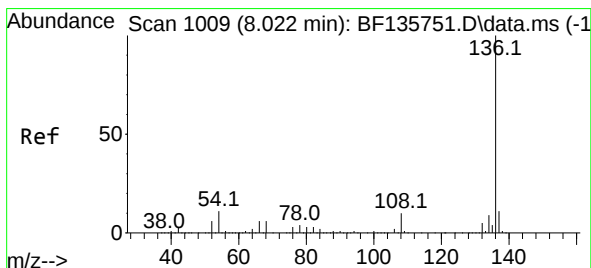
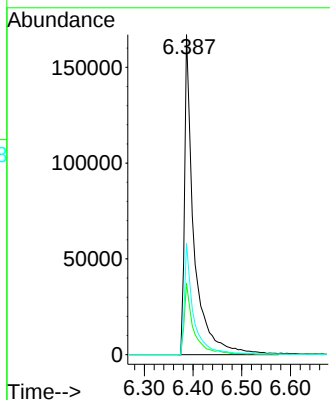
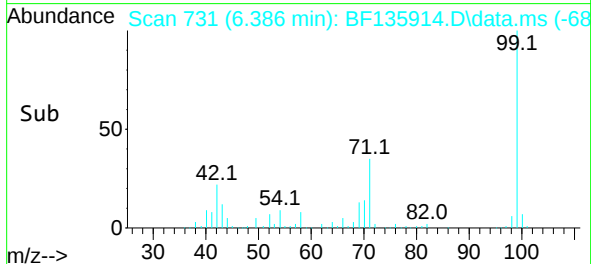
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023



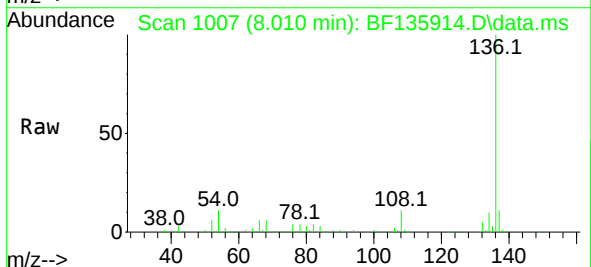
Tgt Ion: 99 Resp: 22444
Ion Ratio Lower Upper
99 100
42 22.3 18.4 27.6
71 34.8 27.2 40.8

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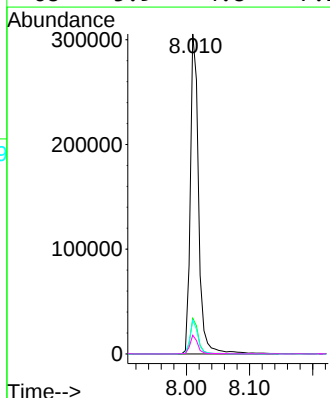
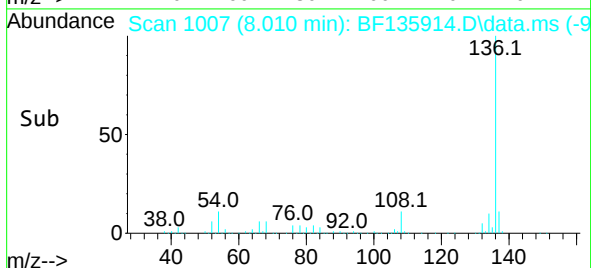
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

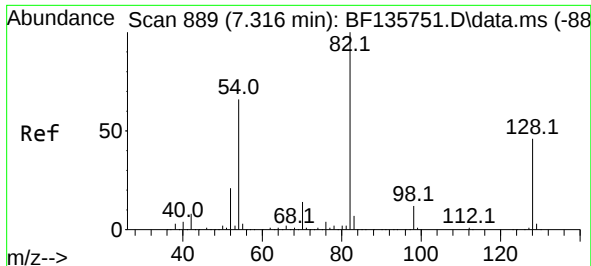


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41



Tgt Ion:136 Resp: 280811
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.5 8.5 12.7
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 29.460 ng

RT: 7.298 min Scan# 80

Delta R.T. -0.018 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023

Tgt Ion: 82 Resp: 15041

Ion Ratio Lower Upper

82 100

128 41.2 37.0 55.6

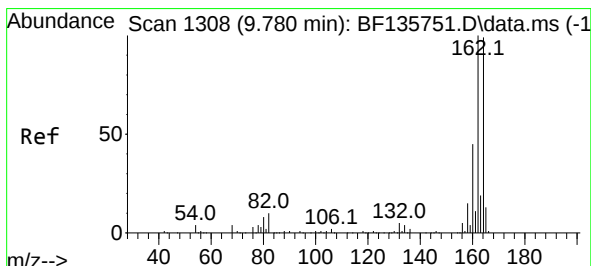
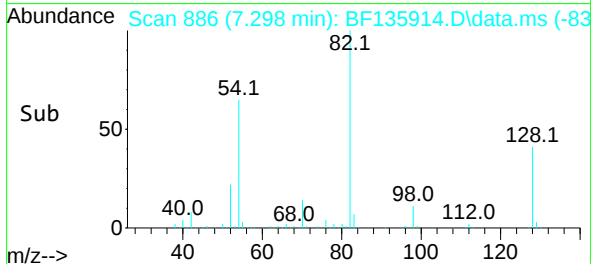
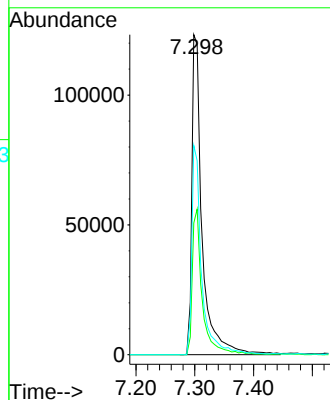
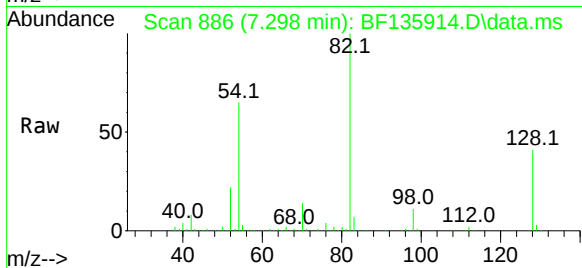
54 65.4 52.8 79.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.018 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

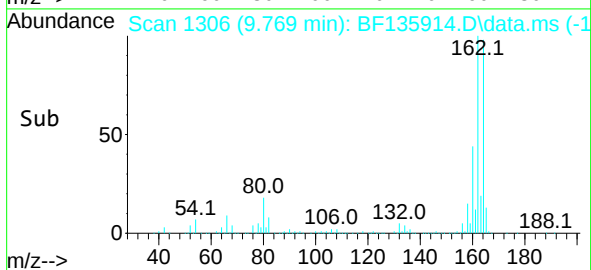
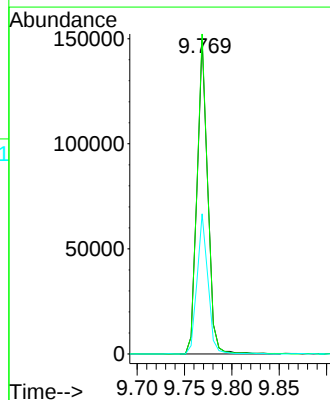
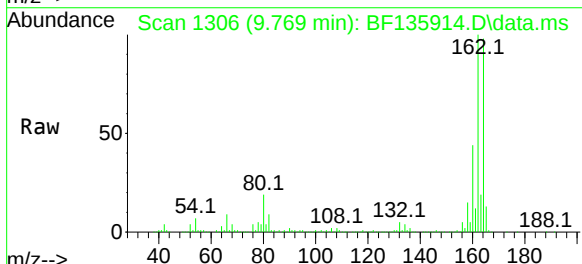
Tgt Ion:164 Resp: 118313

Ion Ratio Lower Upper

164 100

162 101.8 80.8 121.2

160 44.6 36.6 54.8





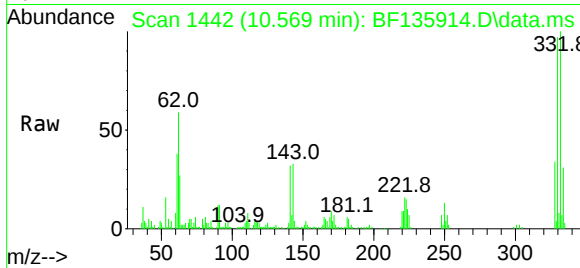
#42
2,4,6-Tribromophenol
Concen: 33.077 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023



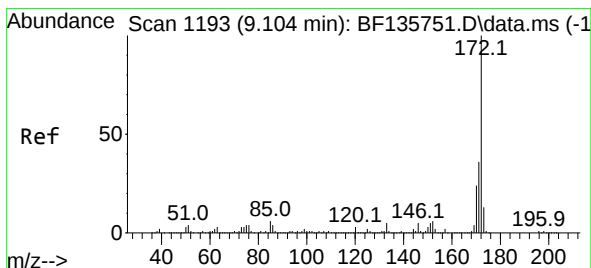
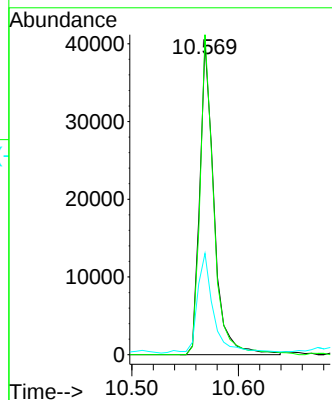
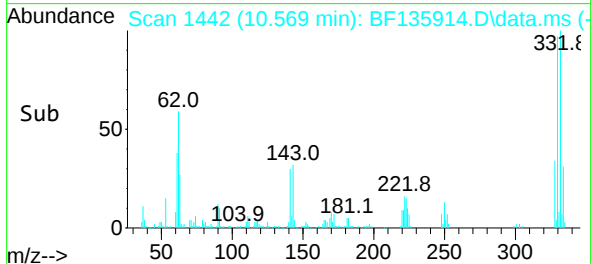
Tgt Ion:330 Resp: 3755
Ion Ratio Lower Upper
330 100
332 98.5 75.0 112.4
141 36.3 25.8 38.6

Manual Integrations

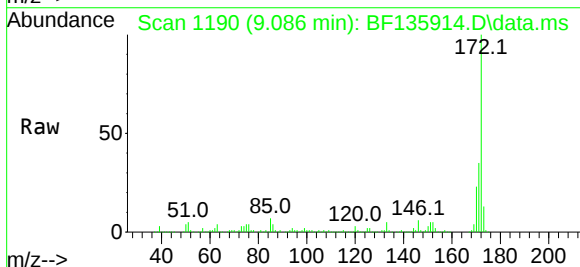
APPROVED

Reviewed By :Yogesh Patel 10/21/2023

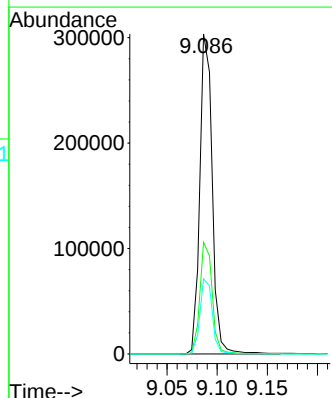
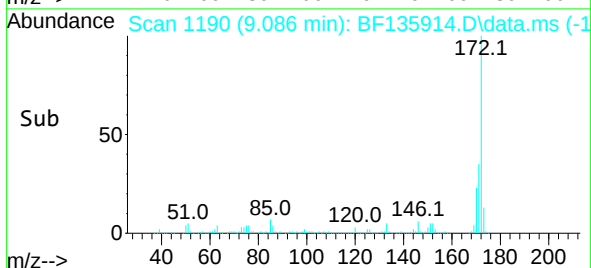
Supervised By :mohammad ahmed 10/21/2023

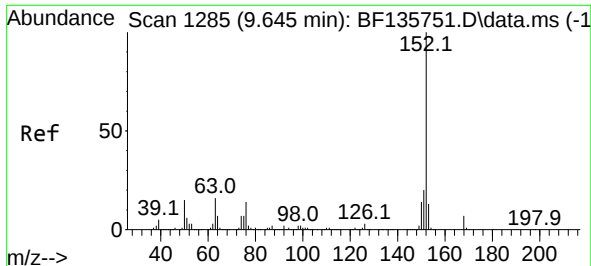


#45
2-Fluorobiphenyl
Concen: 34.712 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41



Tgt Ion:172 Resp: 262667
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.5 18.8 28.2





#49

Acenaphthylene

Concen: 6.231 ng

RT: 9.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023

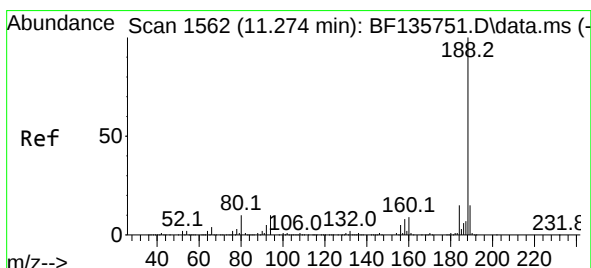
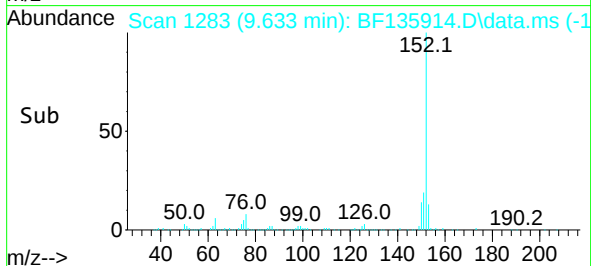
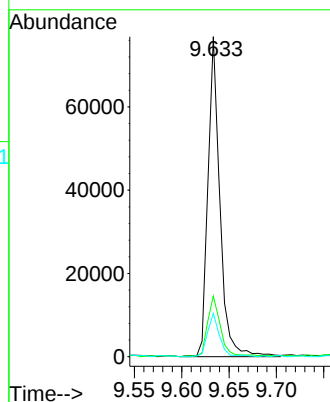
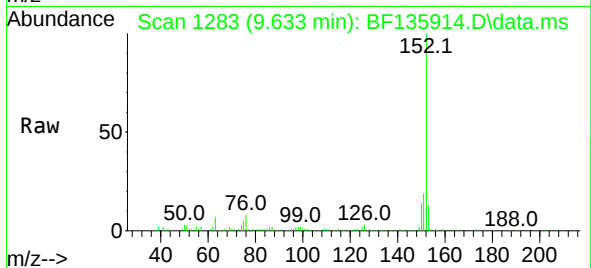
Tgt Ion:	152	Resp:	6735
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.2	24.2
153	13.5	10.2	15.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

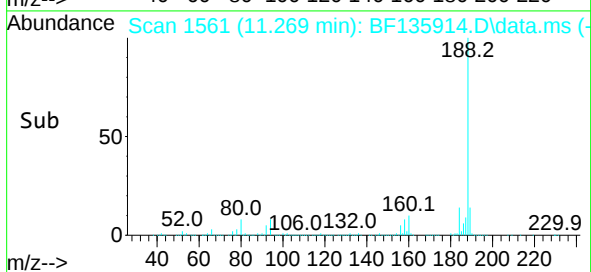
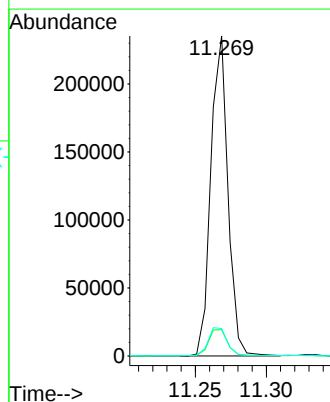
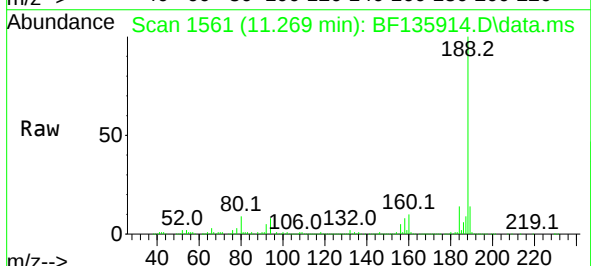
RT: 11.269 min Scan# 1561

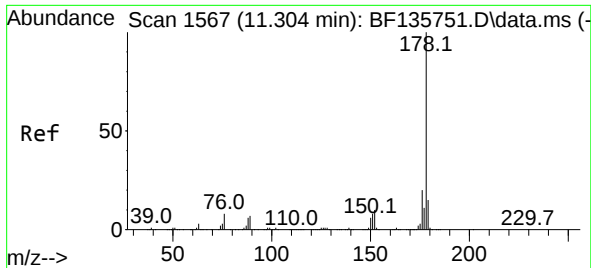
Delta R.T. -0.012 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

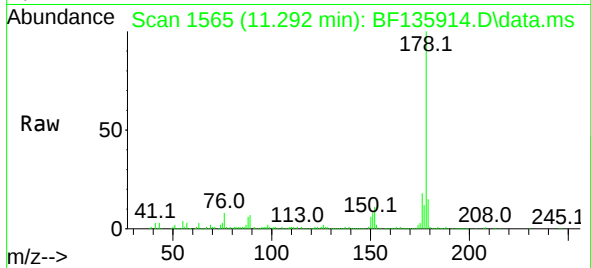
Tgt Ion:	188	Resp:	196700
Ion Ratio	Lower	Upper	
188	100		
94	8.2	8.0	12.0
80	8.6	8.3	12.5





#71
Phenanthrene
Concen: 9.820 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

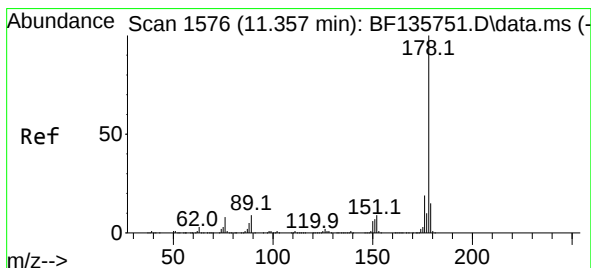
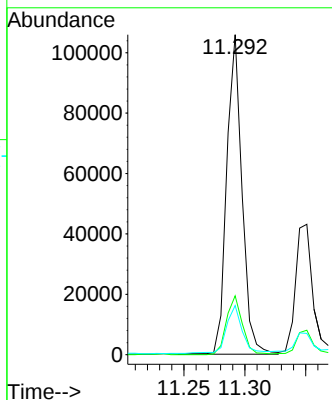
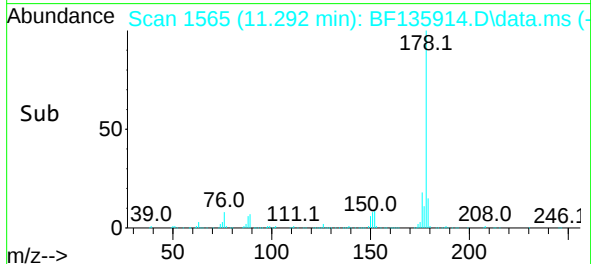
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023



Tgt Ion:178 Resp: 92528
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.3 12.2 18.4

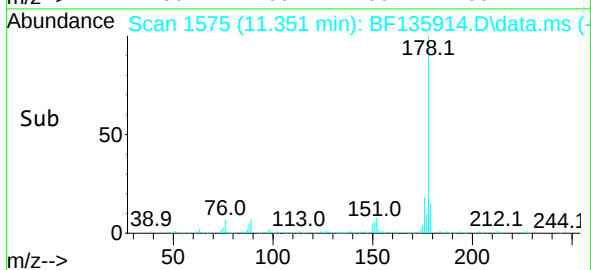
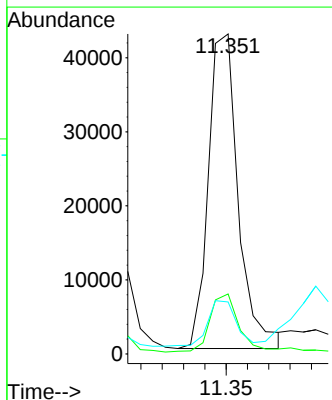
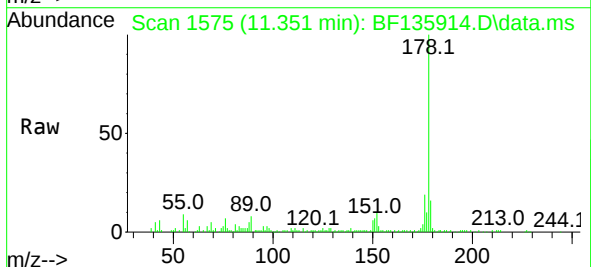
Manual Integrations
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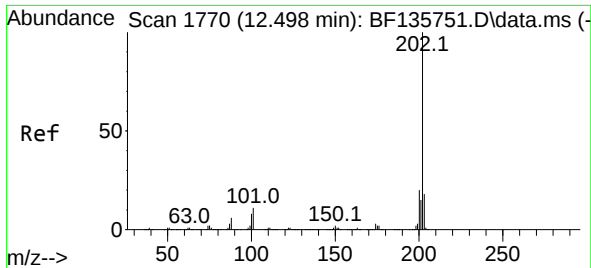
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#72
Anthracene
Concen: 4.247 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

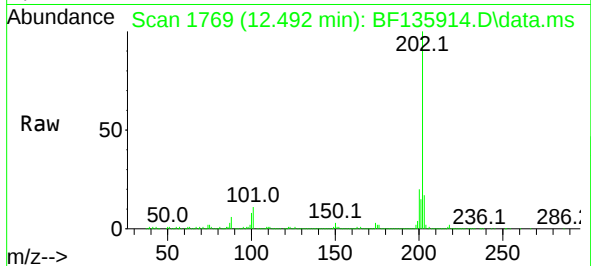
Tgt Ion:178 Resp: 41468
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 16.3 12.3 18.5





#75
Fluoranthene
Concen: 39.603 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

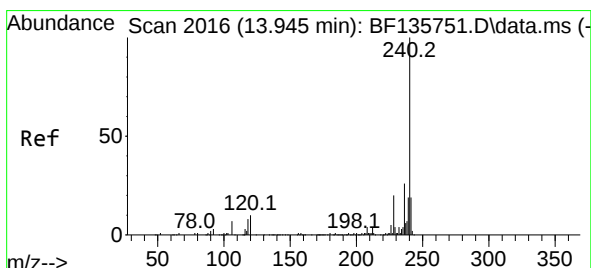
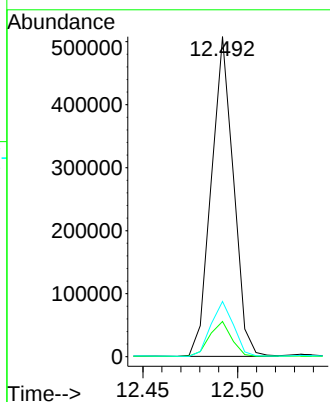
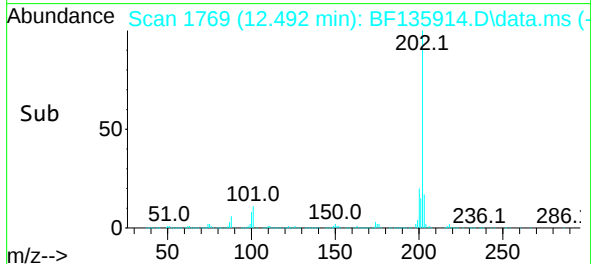
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023



Tgt Ion:202 Resp: 414179
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.5
203 17.3 0.0 38.3

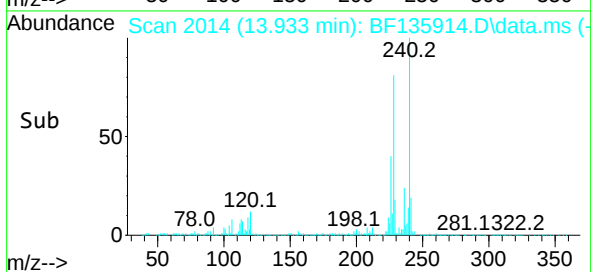
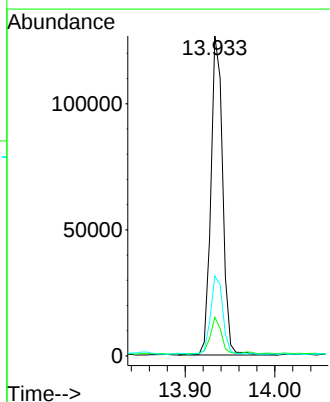
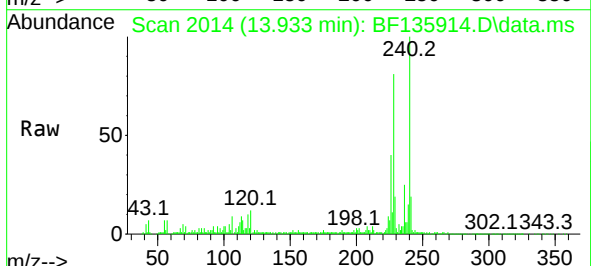
Manual Integrations
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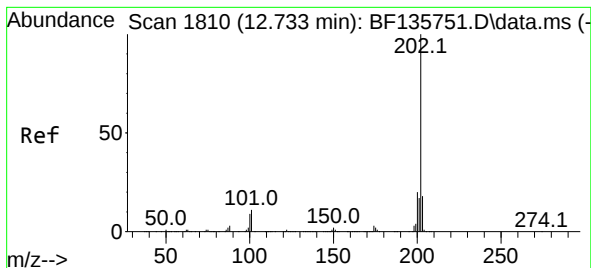
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:240 Resp: 115845
Ion Ratio Lower Upper
240 100
120 12.0 8.2 12.2
236 25.0 21.2 31.8





#78

Pyrene

Concen: 47.728 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

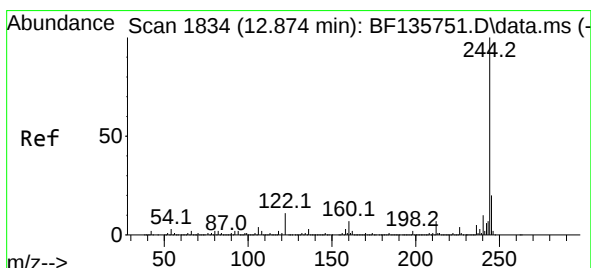
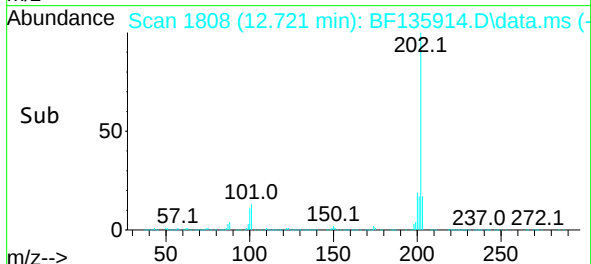
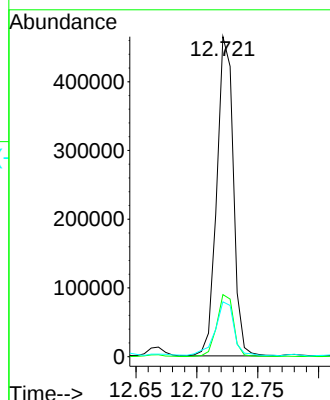
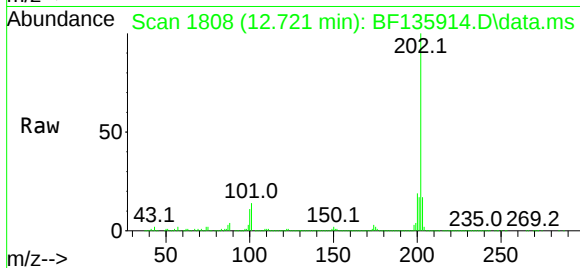
OK-01-10172023

Tgt Ion:202 Resp: 439372
 Ion Ratio Lower Upper
 202 100
 200 19.4 16.1 24.1
 203 17.2 14.2 21.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2023
 Supervised By :mohammad ahmed 10/21/2023



#79

Terphenyl-d14

Concen: 32.028 ng

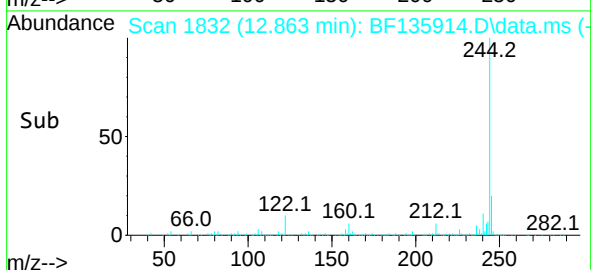
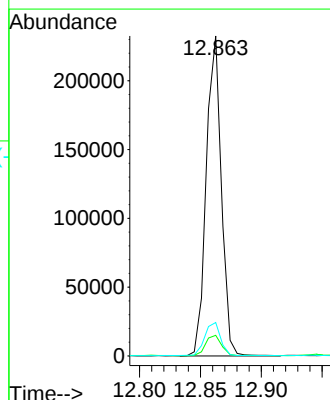
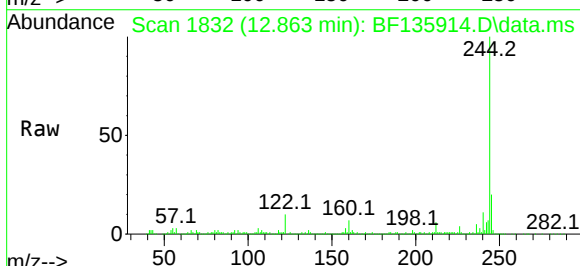
RT: 12.863 min Scan# 1832

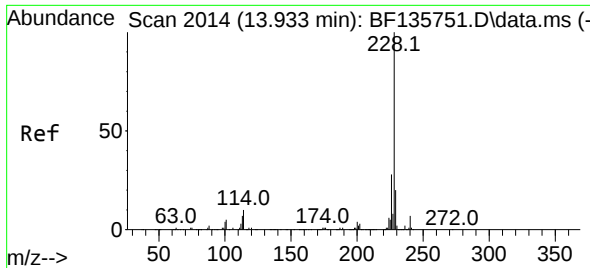
Delta R.T. -0.018 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

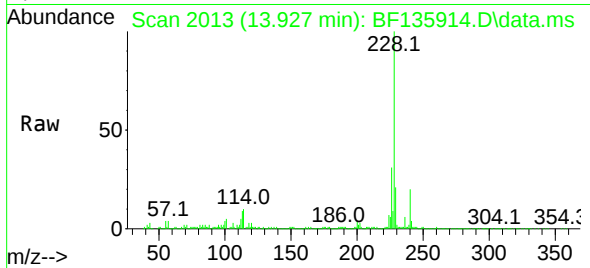
Tgt Ion:244 Resp: 200349
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.4 9.0 13.6





#81
Benzo(a)anthracene
Concen: 30.291 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

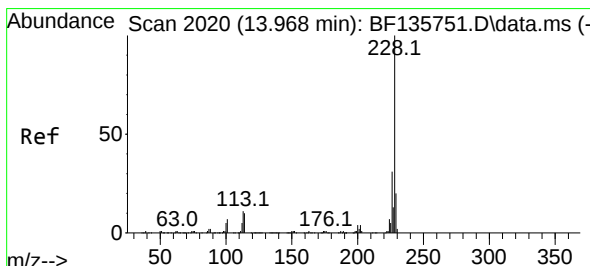
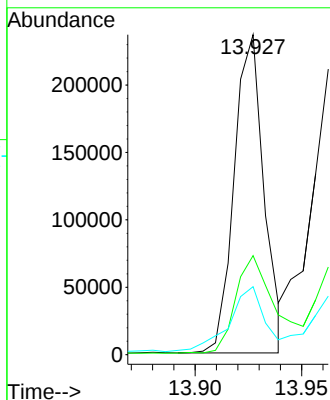
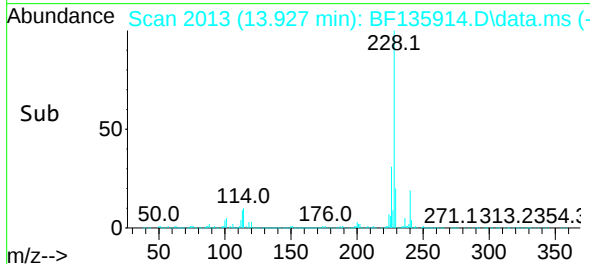
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023



Tgt Ion:228 Resp: 230492
Ion Ratio Lower Upper
228 100
226 30.9 22.2 33.2
229 21.2 16.1 24.1

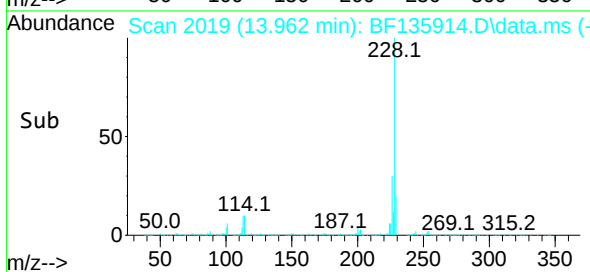
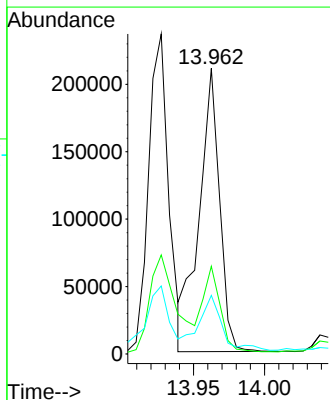
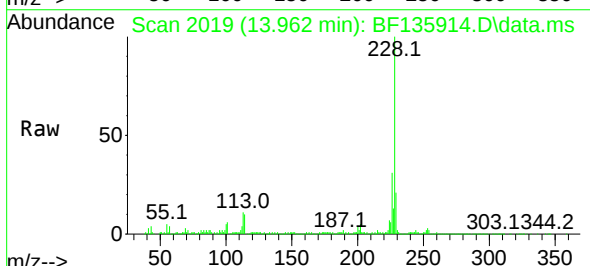
Manual Integrations
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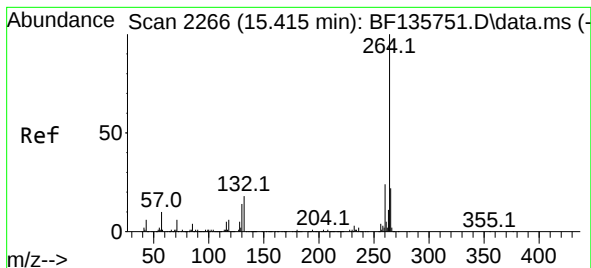
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#83
Chrysene
Concen: 28.774 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:228 Resp: 212064
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 20.5 15.7 23.5





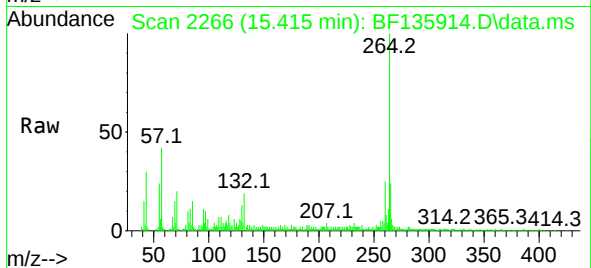
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023

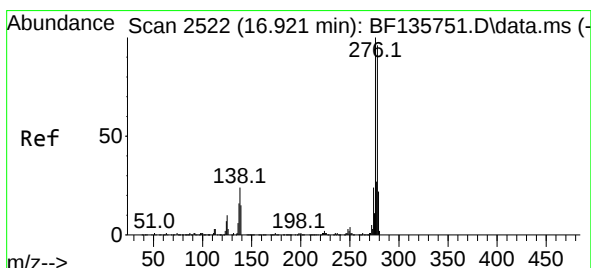
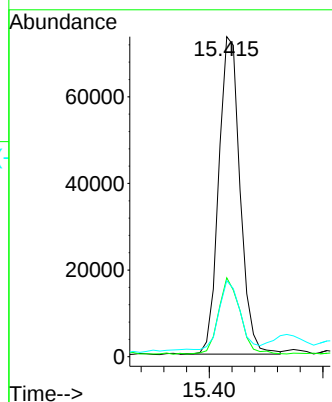
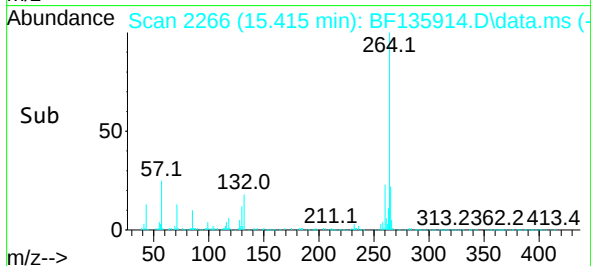


Tgt Ion:264 Resp: 95890
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 23.7 17.4 26.2

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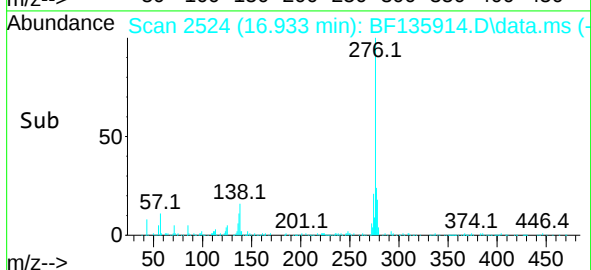
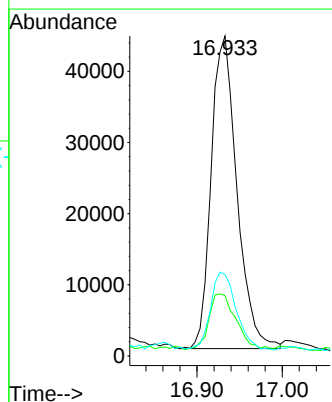
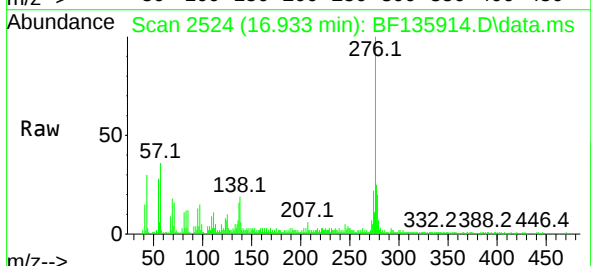
APPROVED

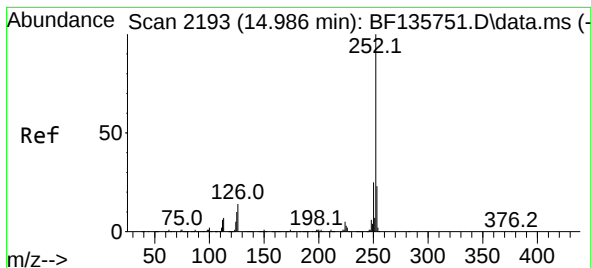
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 17.639 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:276 Resp: 92162
Ion Ratio Lower Upper
276 100
138 18.6 19.8 29.6#
277 24.9 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 42.180 ng m

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023

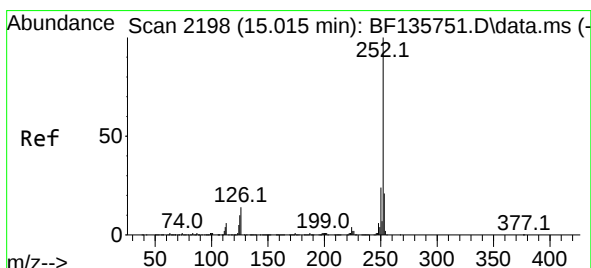
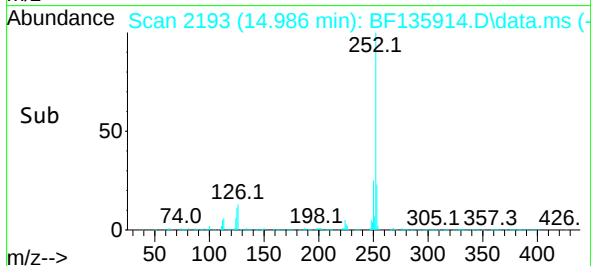
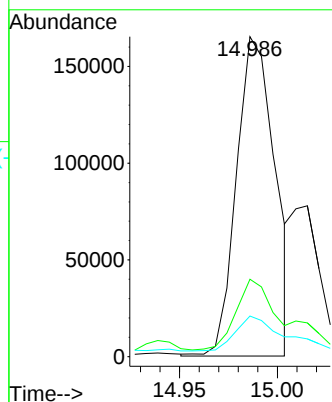
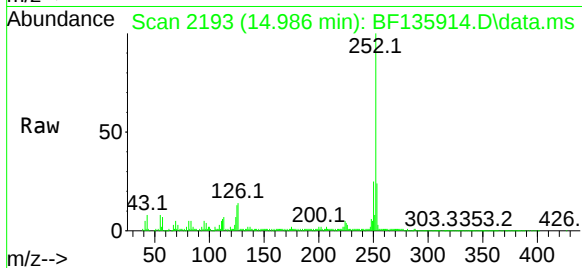
Tgt Ion:252 Resp: 22636
 Ion Ratio Lower Upper
 252 100
 253 24.2 18.2 27.2
 125 12.7 8.2 12.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#89

Benzo(k)fluoranthene

Concen: 15.502 ng m

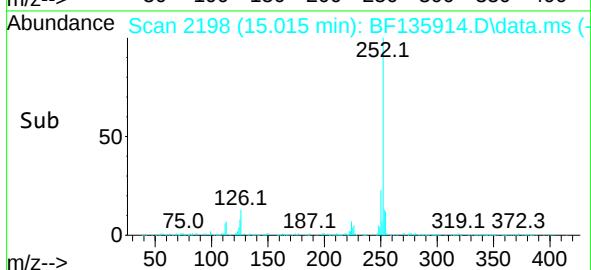
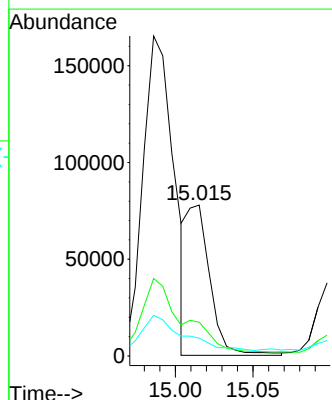
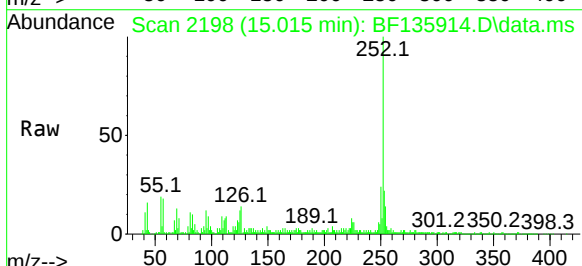
RT: 15.015 min Scan# 2198

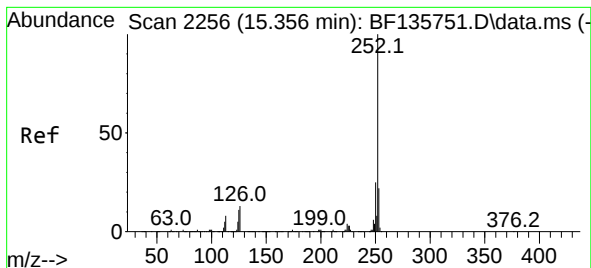
Delta R.T. -0.006 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Tgt Ion:252 Resp: 80768
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.4 26.0
 125 11.8 8.3 12.5





#90

Benzo(a)pyrene

Concen: 31.223 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023

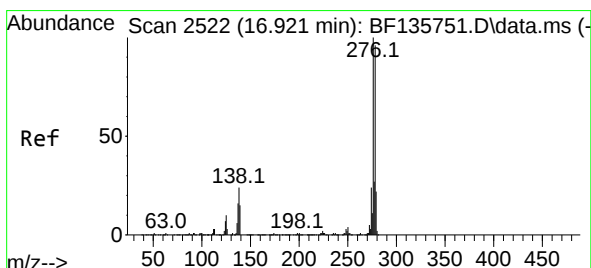
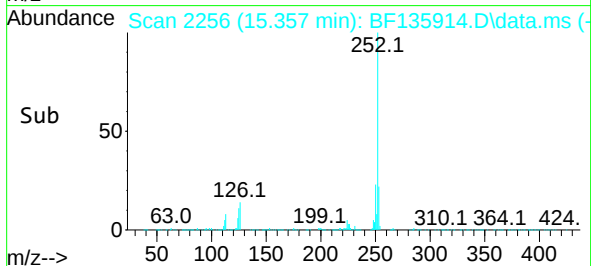
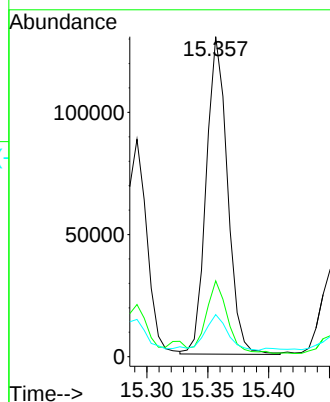
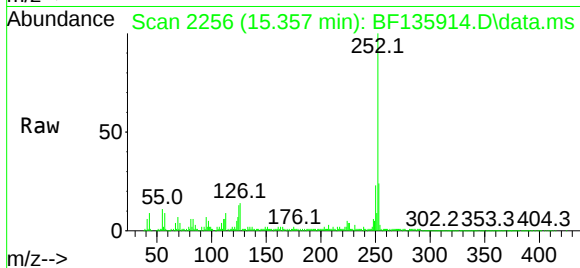
Tgt Ion:252 Resp: 157564
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.4 26.2
 125 13.2 8.8 13.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#91

Dibenzo(a,h)anthracene

Concen: 5.608 ng

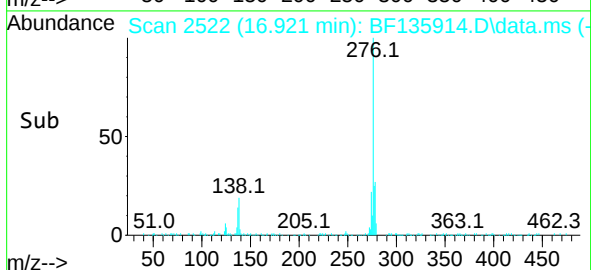
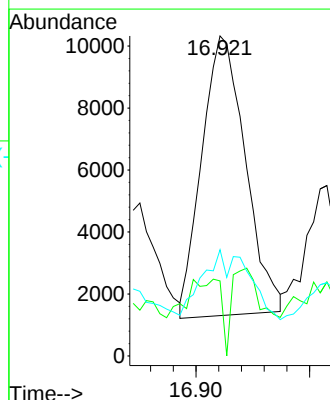
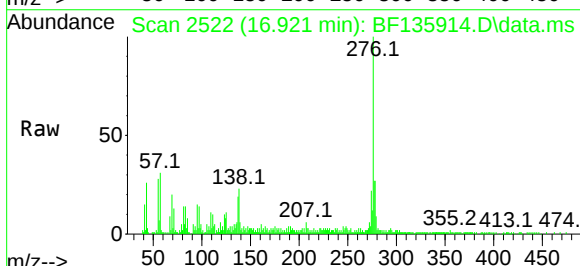
RT: 16.921 min Scan# 2522

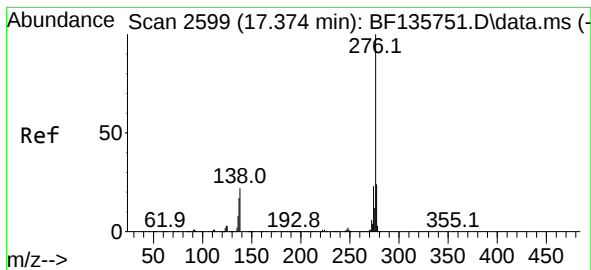
Delta R.T. -0.018 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

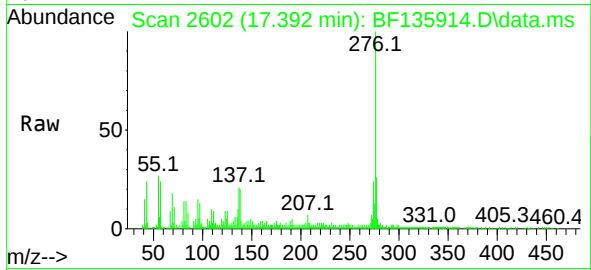
Tgt Ion:278 Resp: 24021
 Ion Ratio Lower Upper
 278 100
 139 23.4 12.5 18.7#
 279 33.2 18.6 27.8#





#92
Benzo(g,h,i)perylene
Concen: 20.205 ng
RT: 17.392 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Instrument :
BNA_F
ClientSampleId :
OK-01-10172023



Tgt Ion: 276 Resp: 8889
Ion Ratio Lower Upper
276 100
277 26.1 19.4 29.2
138 20.2 17.3 25.9

Manual Integrations
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Reviewed By : Yogesh Patel 10/21/2023
Supervised By : mohammad ahmed 10/21/2023

