

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135894.D
 Acq On : 19 Oct 2023 19:17
 Operator : CG\JU
 Sample : 04704-02DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-1(10-15)DL

Quant Time: Oct 20 02:03:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							10/20/2023 Supervised By :mohammad ahmed
1) 1,4-Dichlorobenzene-d4	6.734	152	61652	20.000	ng	-0.01	
21) Naphthalene-d8	8.016	136	224523	20.000	ng	0.00	
39) Acenaphthene-d10	9.769	164	93608	20.000	ng	-0.02	
64) Phenanthrene-d10	11.269	188	155059	20.000	ng	-0.01	
76) Chrysene-d12	13.939	240	137581	20.000	ng	-0.01	
86) Perylene-d12	15.415	264	102351	20.000	ng	0.00	10/20/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	100533	26.217	ng	0.00	
7) Phenol-d6	6.398	99	106192	22.194	ng	0.00	
23) Nitrobenzene-d5	7.304	82	62499	15.310	ng	-0.01	
42) 2,4,6-Tribromophenol	10.575	330	20536	22.862	ng	-0.01	
45) 2-Fluorobiphenyl	9.092	172	128122	21.400	ng	-0.01	
79) Terphenyl-d14	12.863	244	113410	15.266	ng	-0.02	
Target Compounds						Qvalue	
31) Naphthalene	8.034	128	88294	8.062	ng	97	
37) 2-Methylnaphthalene	8.733	142	29077	4.030	ng	100	
38) 1-Methylnaphthalene	8.828	142	35968	5.405	ng	100	
49) Acenaphthylene	9.639	152	20333	2.378	ng	# 95	
52) Acenaphthene	9.804	154	17146	3.345	ng	97	
55) Dibenzofuran	9.980	168	21174	2.738	ng	# 93	
58) Fluorene	10.327	166	54812	9.052	ng	100	
71) Phenanthrene	11.292	178	259916	34.991	ng	99	
72) Anthracene	11.351	178	48860	6.348	ng	99	
75) Fluoranthene	12.492	202	176450	21.403	ng	99	
78) Pyrene	12.727	202	179342	16.404	ng	99	
81) Benzo(a)anthracene	13.927	228	71200	7.879	ng	97	
83) Chrysene	13.963	228	59452	6.792	ng	97	
87) Indeno(1,2,3-cd)pyrene	16.933	276	18053	3.237	ng	94	
88) Benzo(b)fluoranthene	14.992	252	42080m	7.346	ng		
89) Benzo(k)fluoranthene	15.010	252	15896m	2.858	ng		
90) Benzo(a)pyrene	15.357	252	37986	7.052	ng	98	
92) Benzo(g,h,i)perylene	17.392	276	16388	3.490	ng	# 90	

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

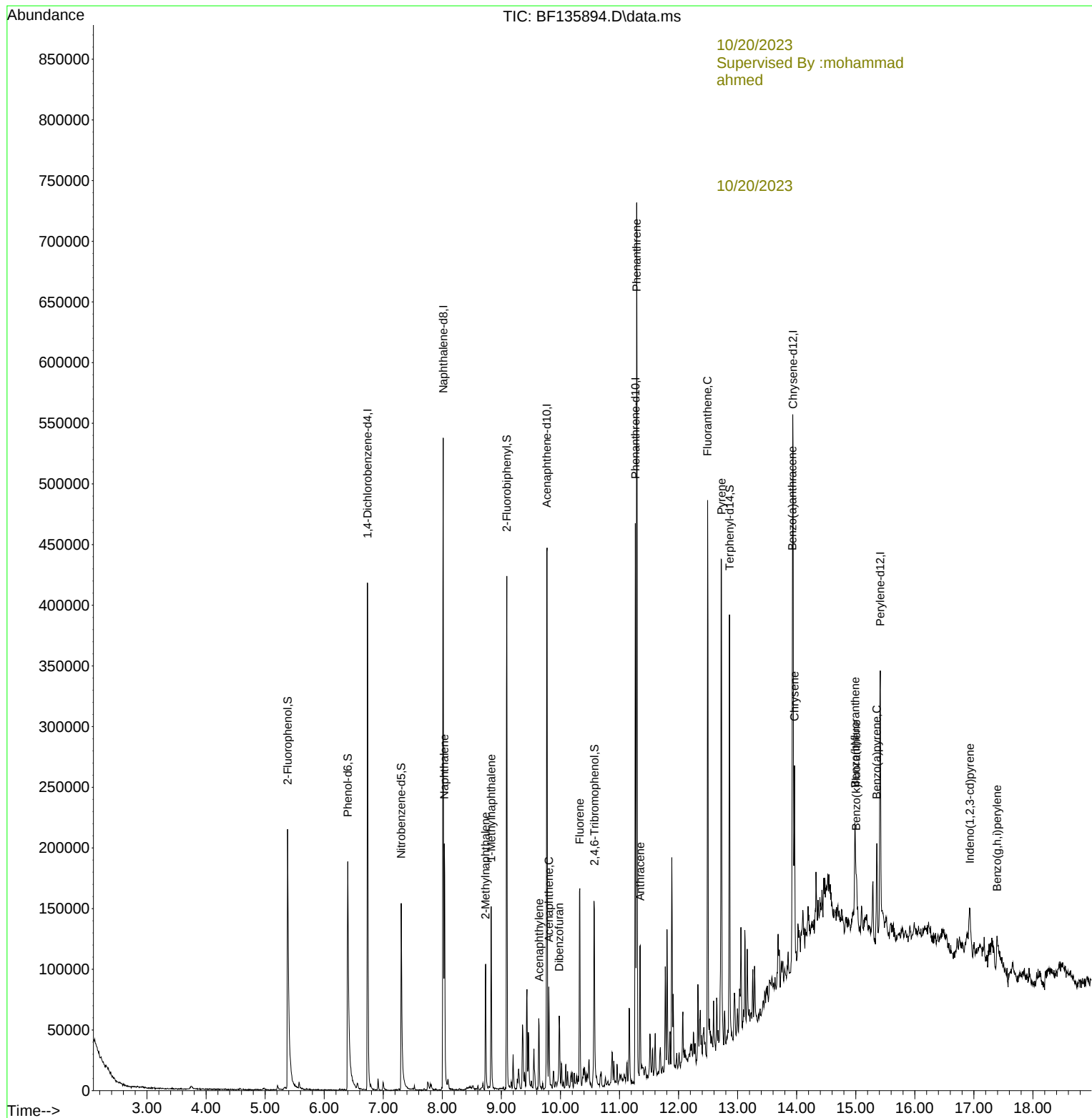
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
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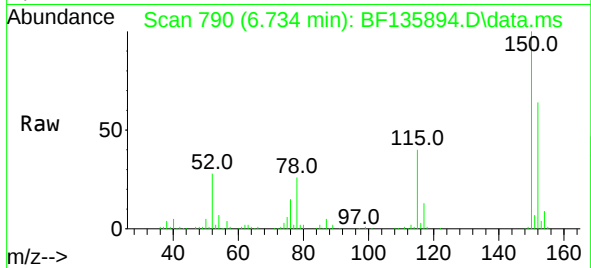
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

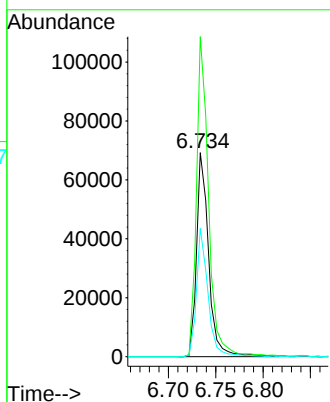
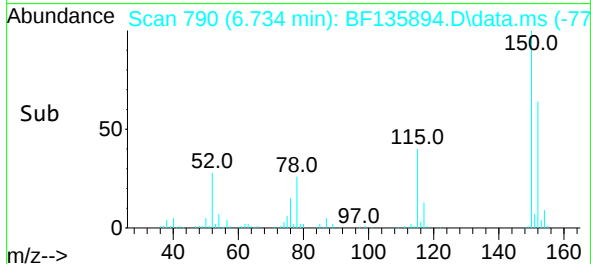
Instrument :
BNA_F
ClientSampleId :
R-1(10-15)DL



Tgt Ion:152 Resp: 61652
Ion Ratio Lower Upper
152 100
150 156.9 124.5 186.7
115 62.9 49.0 73.4

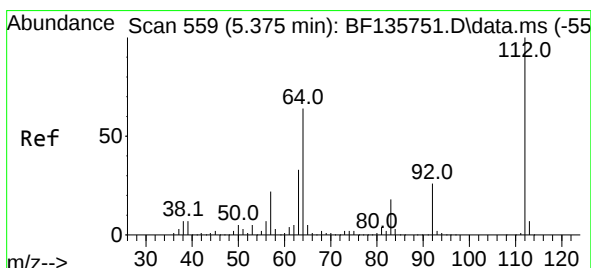
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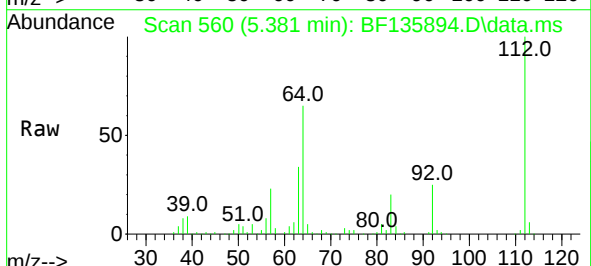


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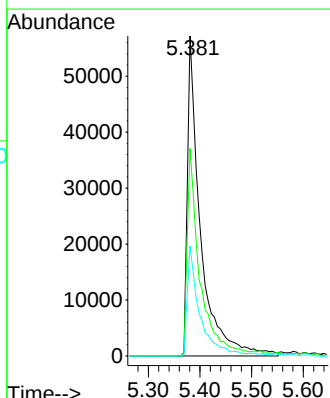
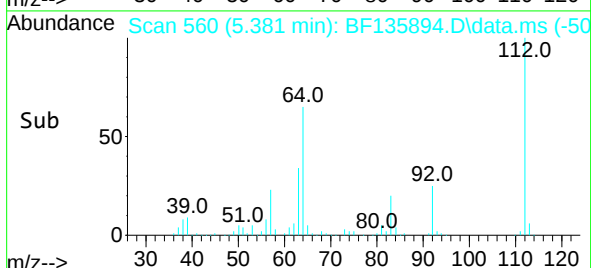
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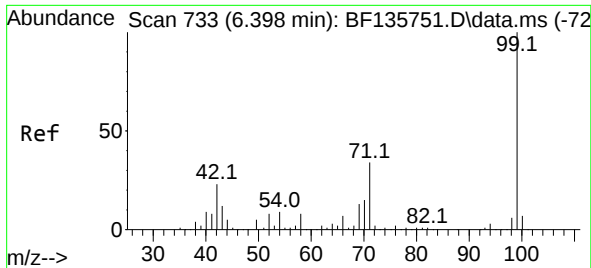


#5
2-Fluorophenol
Concen: 26.217 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17



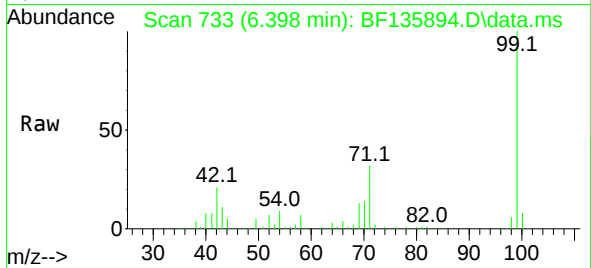
Tgt Ion:112 Resp: 100533
Ion Ratio Lower Upper
112 100
64 64.9 51.2 76.8
63 34.3 26.1 39.1





#7
Phenol-d6
Concen: 22.194 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

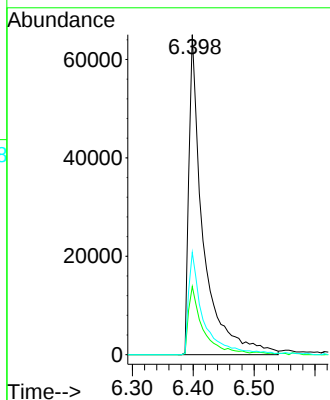
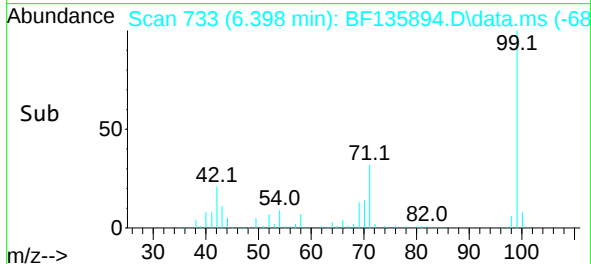
Instrument :
BNA_F
ClientSampleId :
R-1(10-15)DL



Tgt Ion: 99 Resp: 106192
Ion Ratio Lower Upper
99 100
42 21.3 18.4 27.6
71 31.9 27.2 40.8

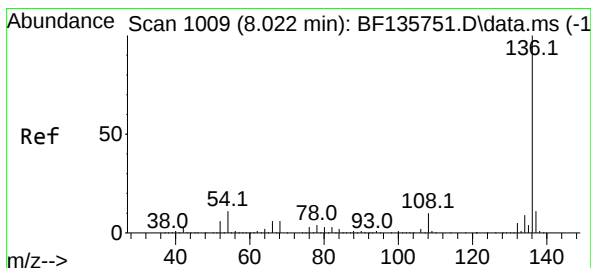
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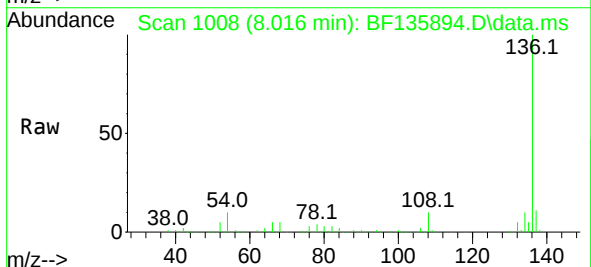


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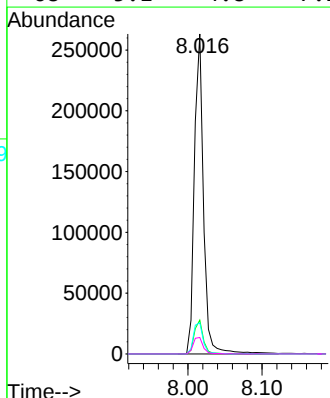
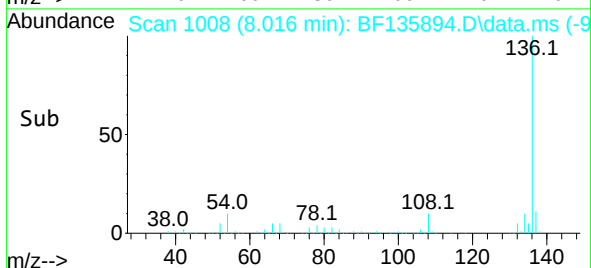
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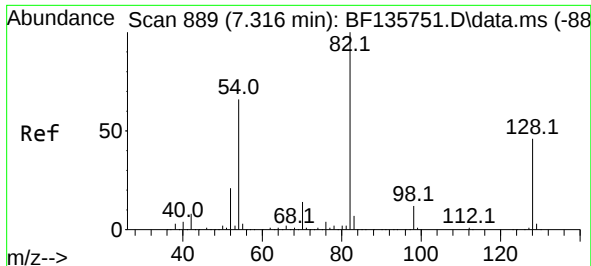


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17



Tgt Ion:136 Resp: 224523
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.7 8.5 12.7
68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 15.310 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Instrument :

BNA_F

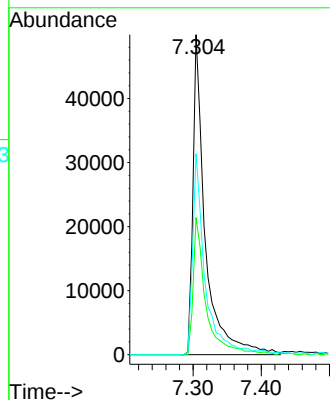
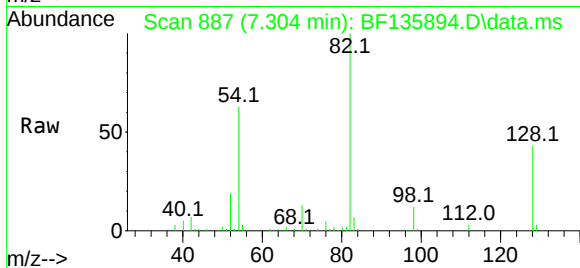
ClientSampleId :

R-1(10-15)DL

Tgt Ion: 82 Resp: 62499
 Ion Ratio Lower Upper
 82 100
 128 42.9 37.0 55.6
 54 62.8 52.8 79.2

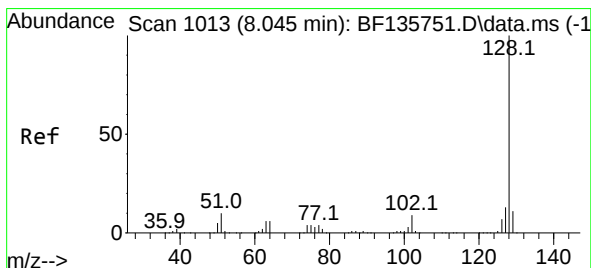
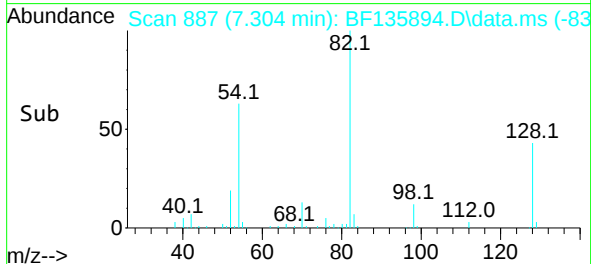
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#31

Naphthalene

Concen: 8.062 ng

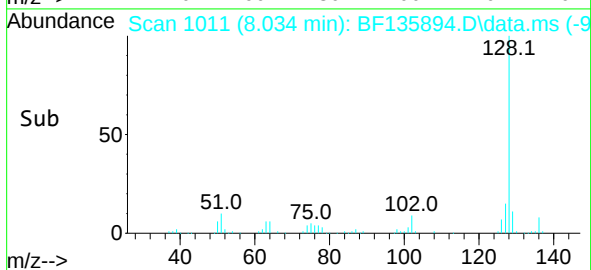
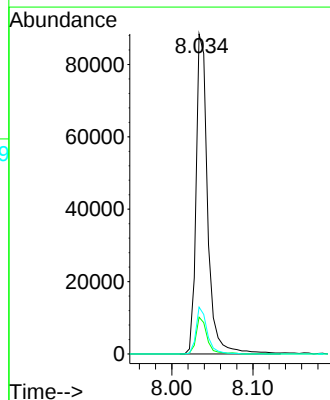
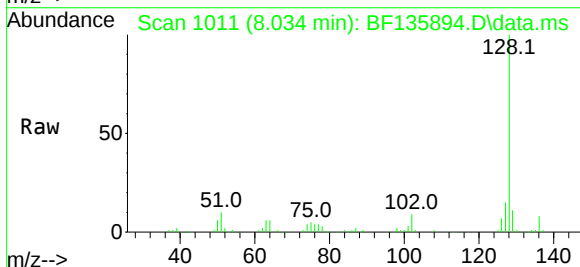
RT: 8.034 min Scan# 1011

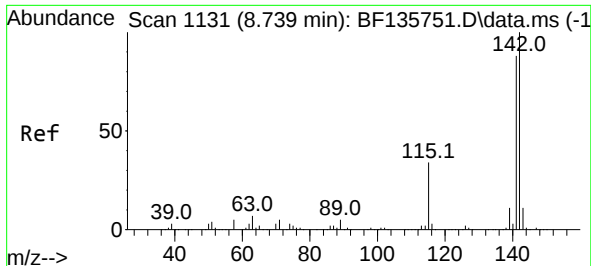
Delta R.T. -0.012 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Tgt Ion:128 Resp: 88294
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.7 13.1
 127 14.7 10.2 15.4





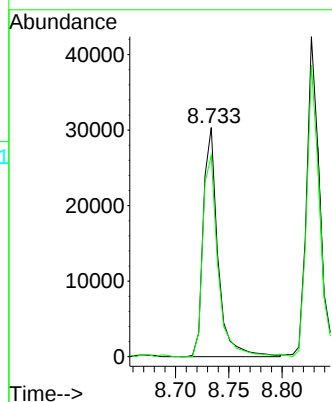
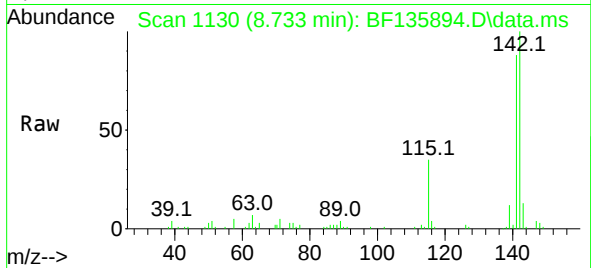
#37
2-Methylnaphthalene
Concen: 4.030 ng
RT: 8.733 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

Instrument :
BNA_F
ClientSampleId :
R-1(10-15)DL

Tgt Ion:142 Resp: 2907
Ion Ratio Lower Upper
142 100
141 87.7 70.6 105.8

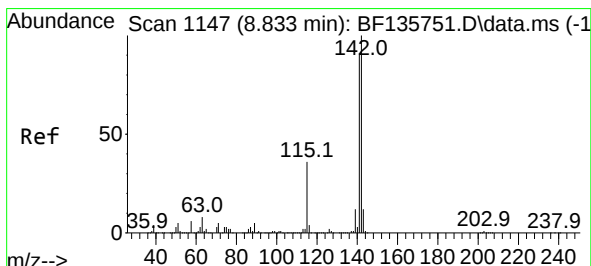
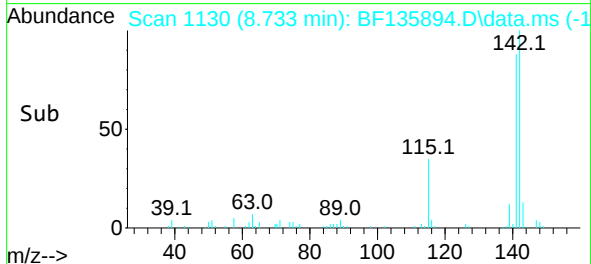
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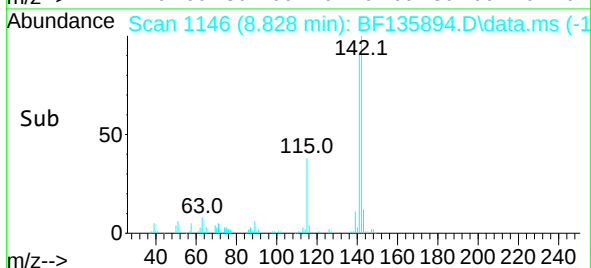
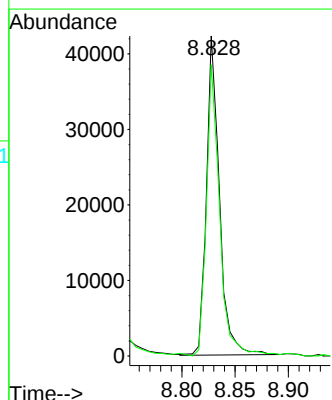
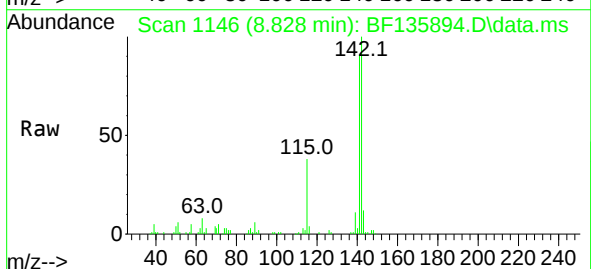
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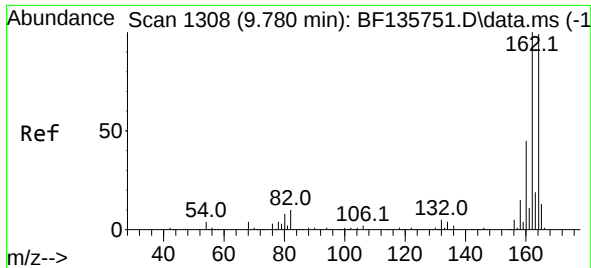
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#38
1-Methylnaphthalene
Concen: 5.405 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

Tgt Ion:142 Resp: 35968
Ion Ratio Lower Upper
142 100
141 91.0 72.7 109.1





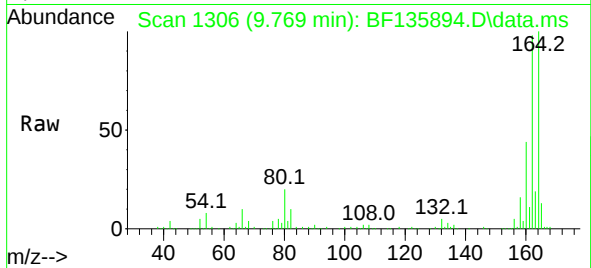
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

Instrument :

BNF

ClientSampleId :

R-1(10-15)DL



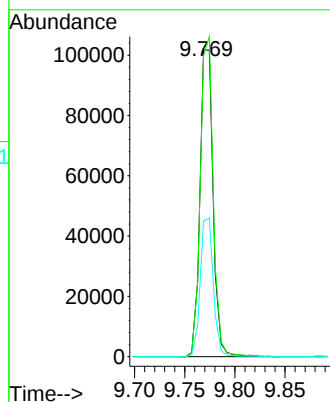
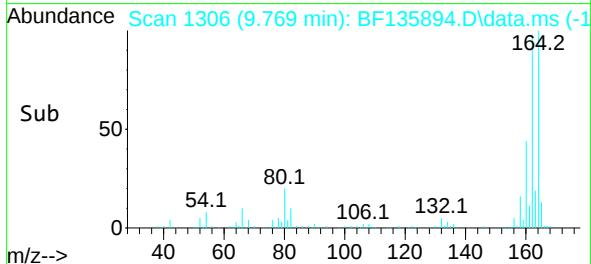
Tgt Ion:164 Resp: 93608
Ion Ratio Lower Upper
164 100
162 98.1 80.8 121.2
160 44.2 36.6 54.8

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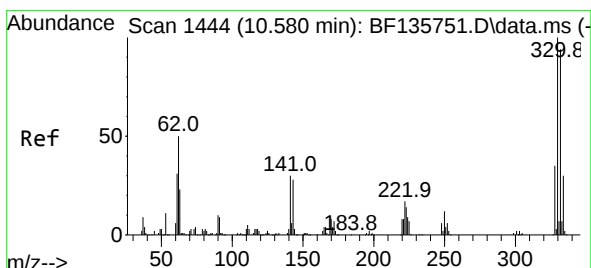
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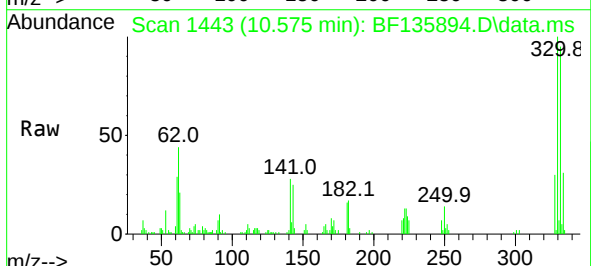
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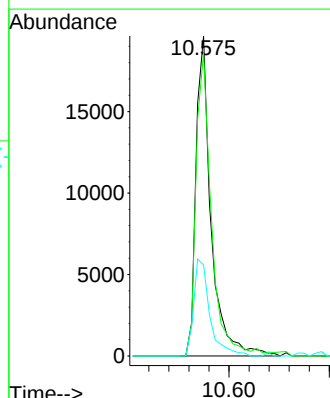
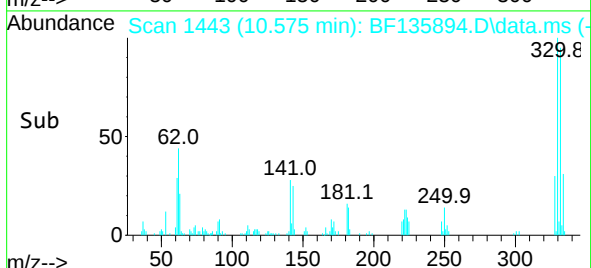
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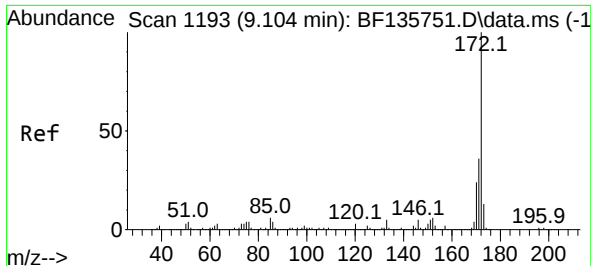


#42
2,4,6-Tribromophenol
Concen: 22.862 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17



Tgt Ion:330 Resp: 20536
Ion Ratio Lower Upper
330 100
332 97.3 75.0 112.4
141 32.2 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 21.400 ng

RT: 9.092 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Instrument :

BNA_F

ClientSampleId :

R-1(10-15)DL

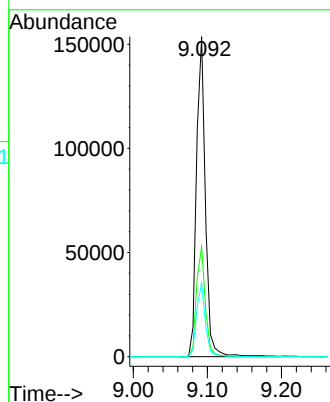
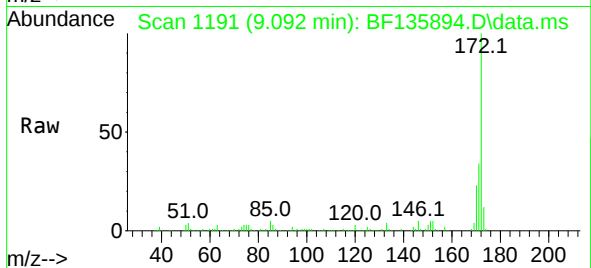
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Ion Ratio	Lower Upper
172	100
171	34.3 28.4 42.6
170	23.0 18.8 28.2

Manual Integrations

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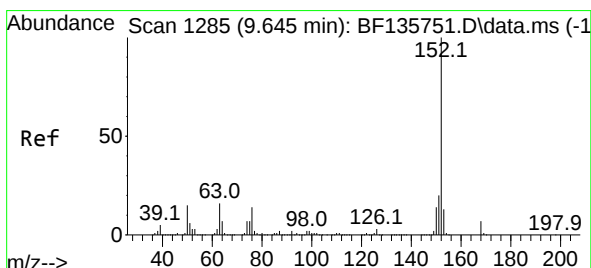
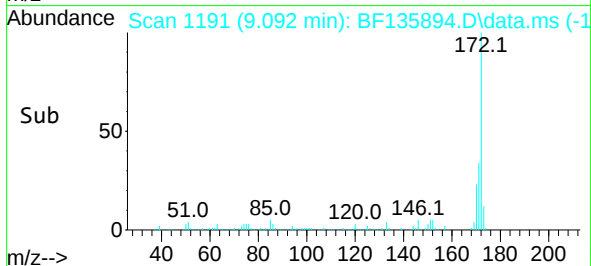
Supervised By :mohammad ahmed 10/20/2023



10/20/2023

Supervised By :mohammad
ahmed

10/20/2023



#49

Acenaphthylene

Concen: 2.378 ng

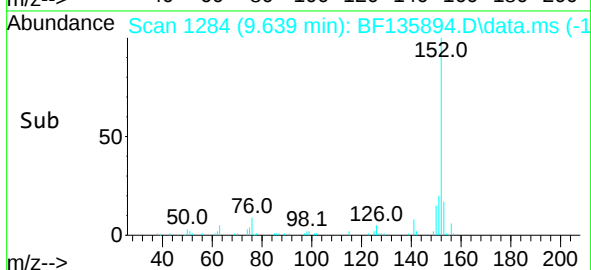
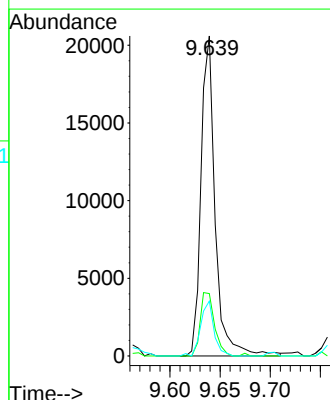
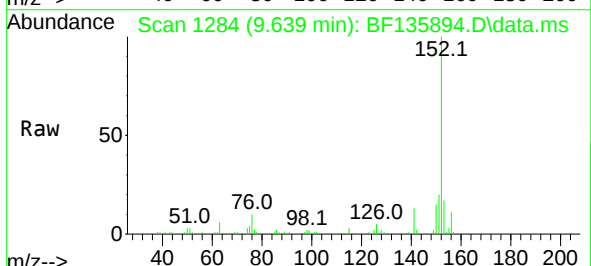
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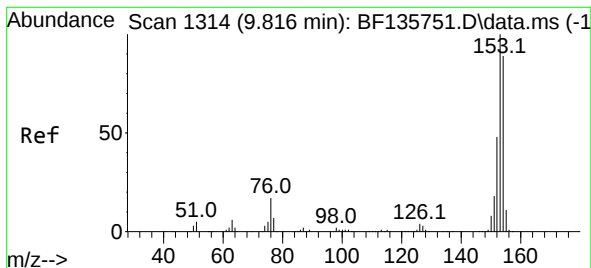
Delta R.T. -0.006 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Tgt Ion:152	Resp: 20333
Ion Ratio	Lower Upper
152	100
151	19.5 16.2 24.2
153	17.2 10.2 15.4





#52

Acenaphthene

Concen: 3.345 ng

RT: 9.804 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Instrument :

BNA_F

ClientSampleId :

R-1(10-15)DL

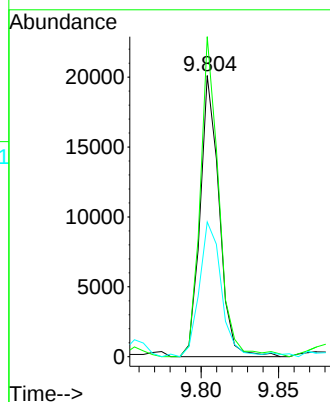
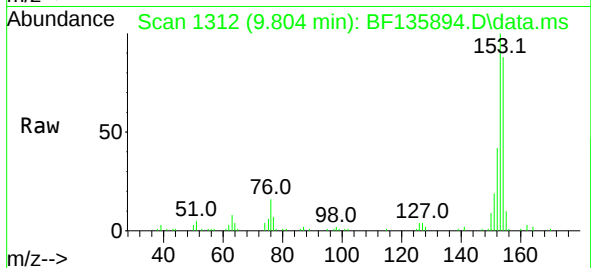
Tgt Ion:154	Resp:	1714
Ion Ratio	Lower	Upper
154	100	
153	113.8	90.1 135.1
152	47.9	43.1 64.7

Manual Integrations

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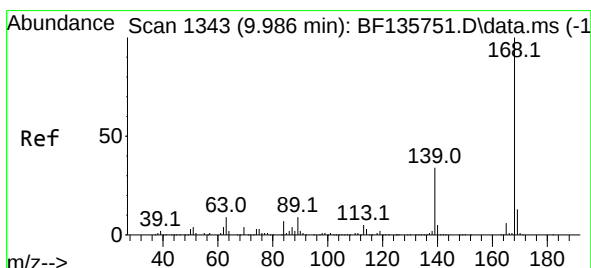
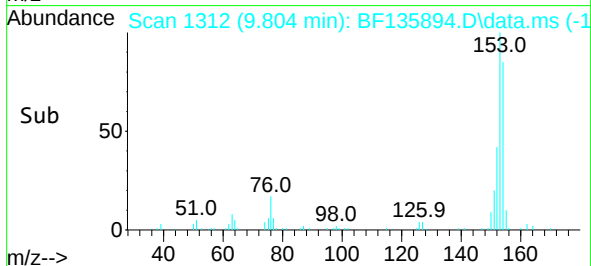
Supervised By :mohammad ahmed 10/20/2023



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Supervised By :mohammad ahmed

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#55

Dibenzofuran

Concen: 2.738 ng

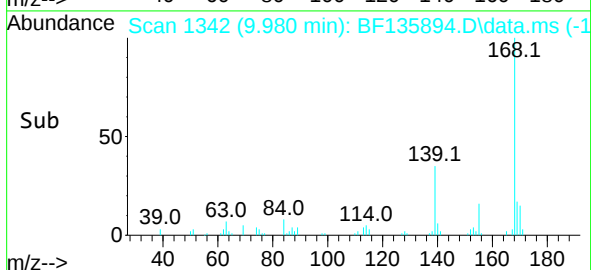
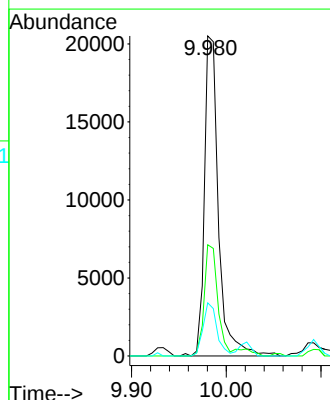
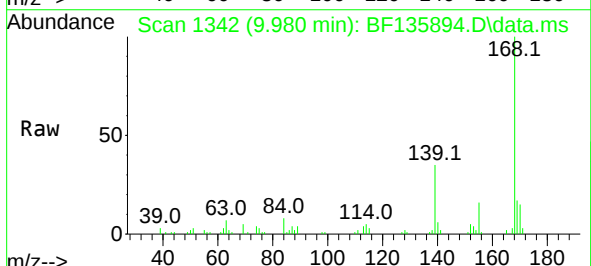
RT: 9.980 min Scan# 1342

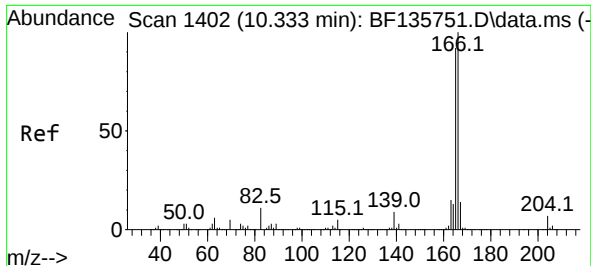
Delta R.T. -0.012 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

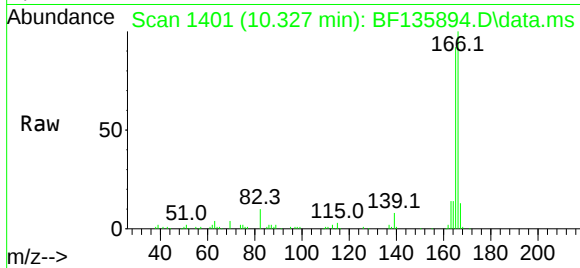
Tgt Ion:168	Resp:	21174
Ion Ratio	Lower	Upper
168	100	
139	34.7	31.0 46.4
169	16.6	10.7 16.1





#58
Fluorene
Concen: 9.052 ng
RT: 10.327 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

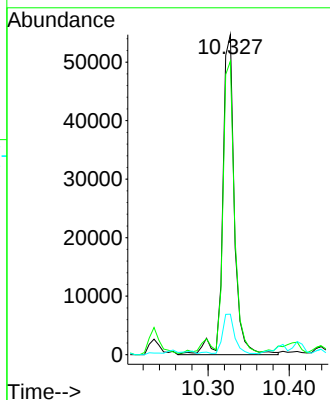
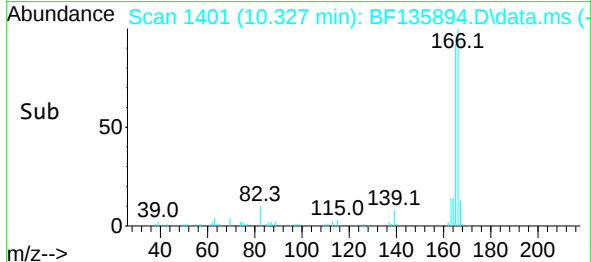
Instrument :
BNA_F
ClientSampleId :
R-1(10-15)DL



Tgt Ion:166 Resp: 54812
Ion Ratio Lower Upper
166 100
165 91.7 73.4 110.0
167 12.7 11.0 16.6

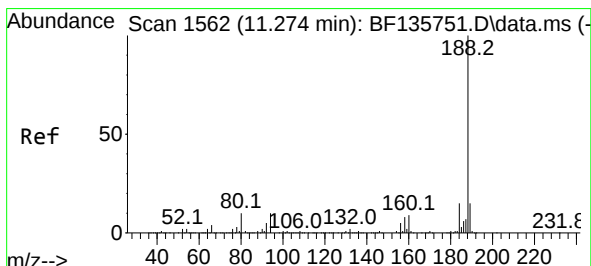
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

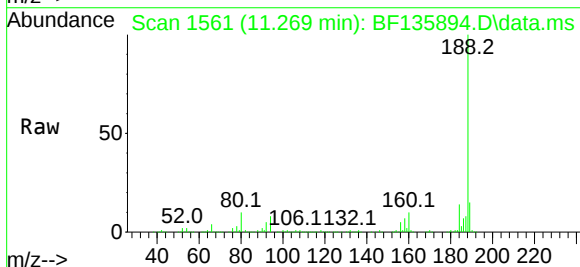


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Supervised By :mohammad
ahmed

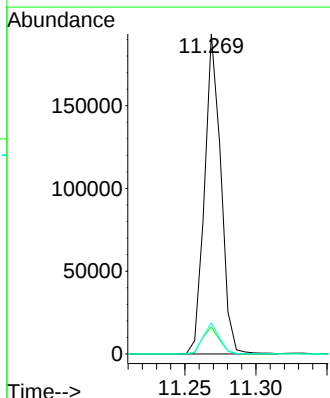
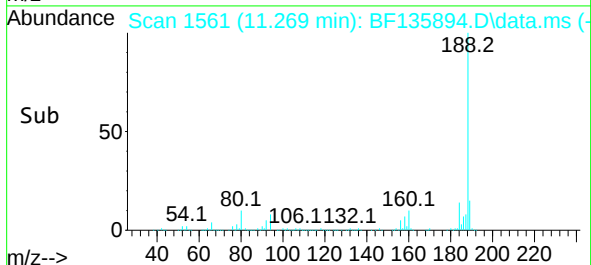
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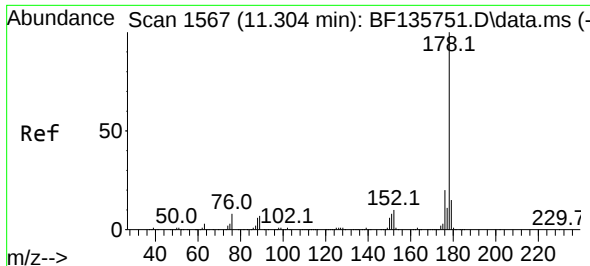


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17



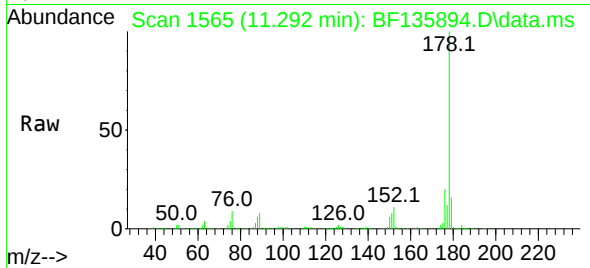
Tgt Ion:188 Resp: 155059
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 9.7 8.3 12.5





#71
Phenanthrene
Concen: 34.991 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

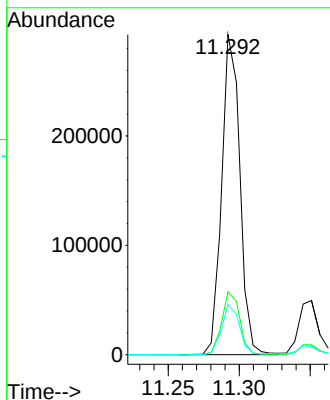
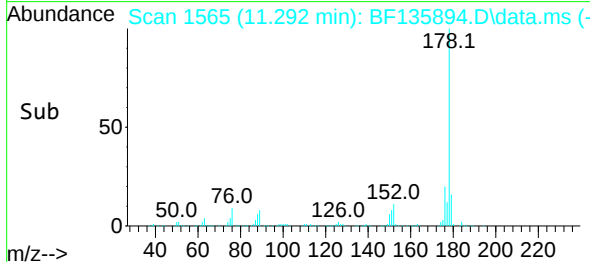
Instrument :
BNA_F
ClientSampleId :
R-1(10-15)DL



Tgt Ion:178 Resp: 259910
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.7 12.2 18.4

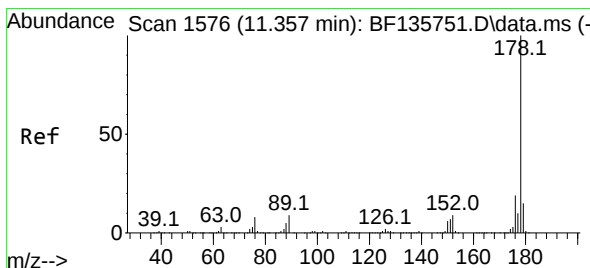
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



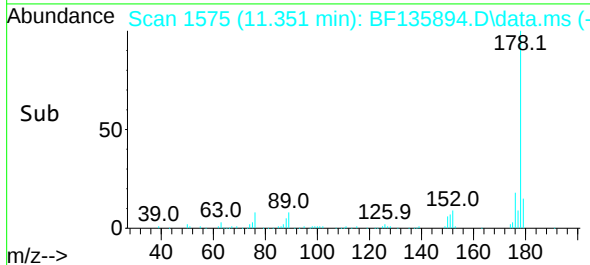
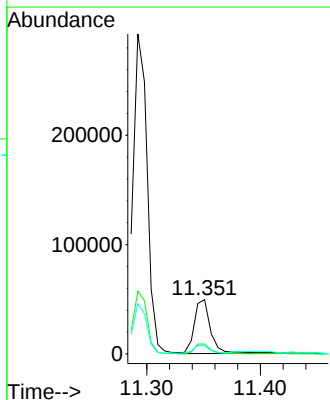
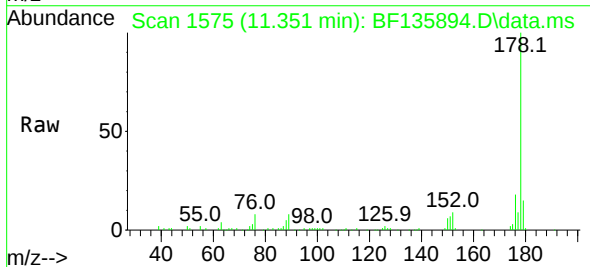
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ahmed

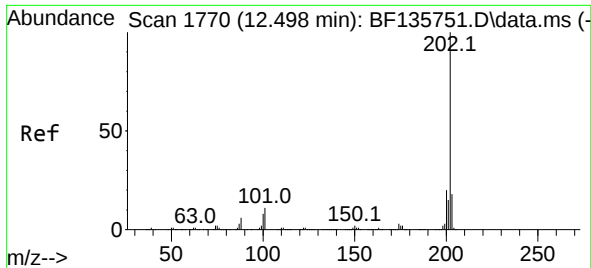
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#72
Anthracene
Concen: 6.348 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

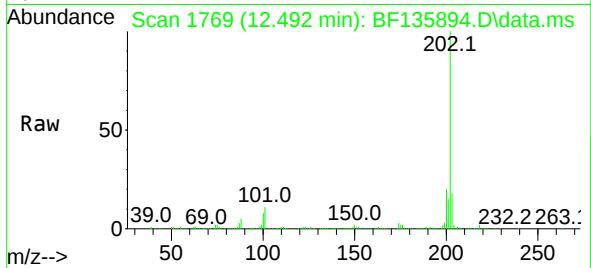
Tgt Ion:178 Resp: 48860
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.2 12.3 18.5





#75
Fluoranthene
Concen: 21.403 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

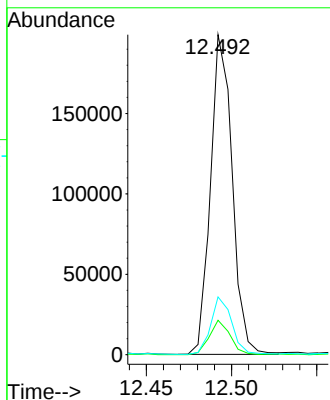
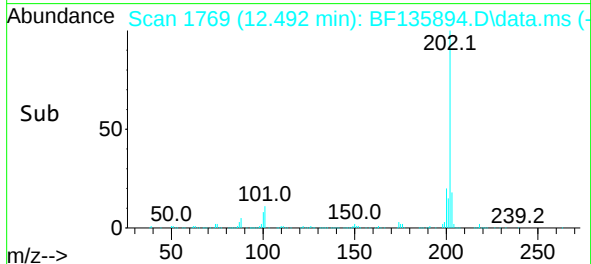
Instrument :
BNA_F
ClientSampleId :
R-1(10-15)DL



Tgt Ion:202 Resp: 176450
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 18.0 0.0 38.3

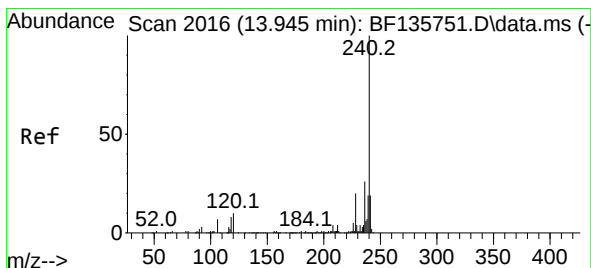
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

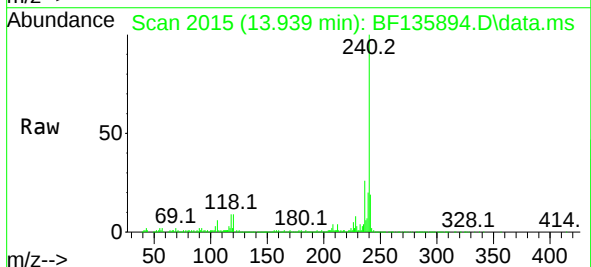


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Supervised By :mohammad
ahmed

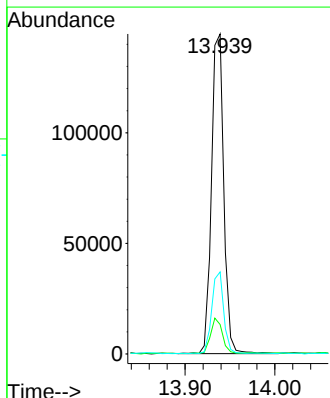
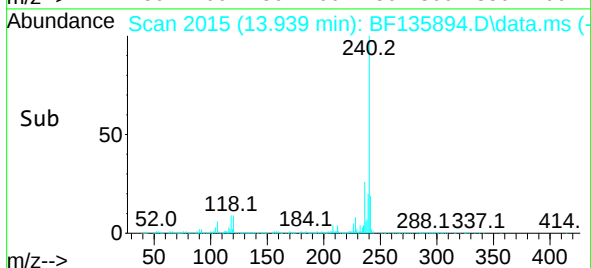
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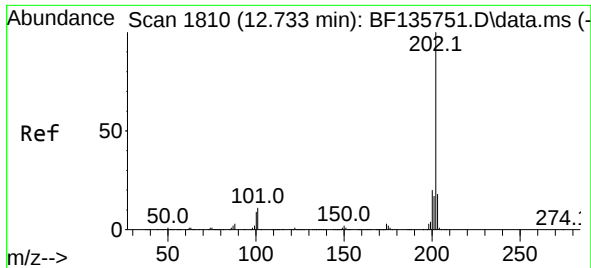


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17



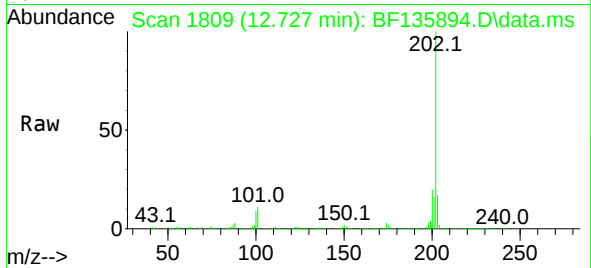
Tgt Ion:240 Resp: 137581
Ion Ratio Lower Upper
240 100
120 9.2 8.2 12.2
236 25.7 21.2 31.8





#78
 Pyrene
 Concen: 16.404 ng
 RT: 12.727 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF135894.D
 Acq: 19 Oct 2023 19:17

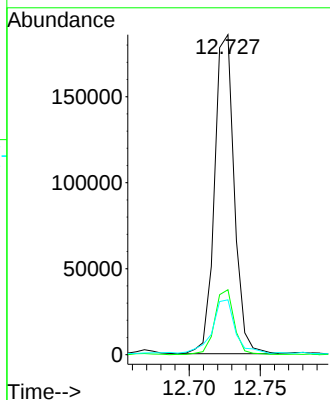
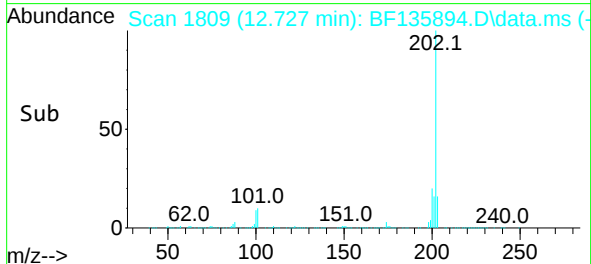
Instrument :
 BNA_F
 ClientSampleId :
 R-1(10-15)DL



Tgt Ion: 202 Resp: 17934
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.1 24.1
 203 17.2 14.2 21.2

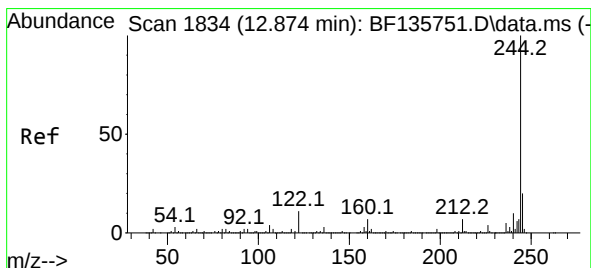
Manual Integrations
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Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

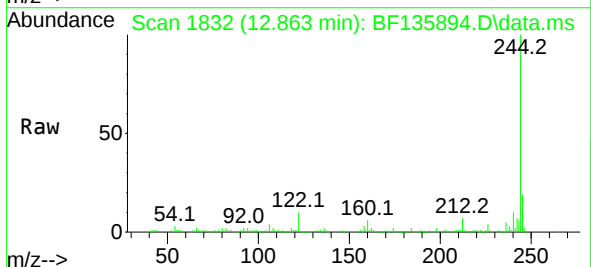


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 Supervised By :mohammad
 ahmed

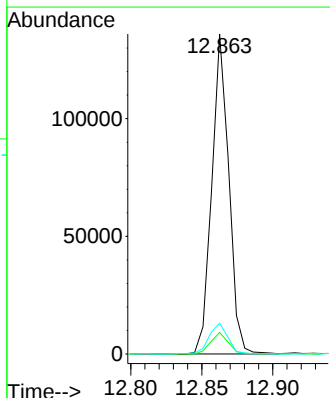
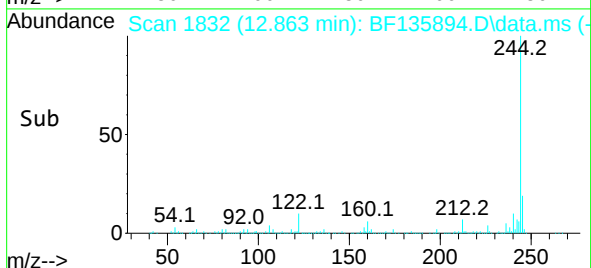
10/20/2023

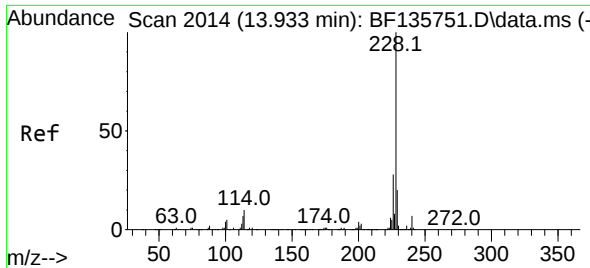


#79
 Terphenyl-d14
 Concen: 15.266 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.018 min
 Lab File: BF135894.D
 Acq: 19 Oct 2023 19:17



Tgt Ion: 244 Resp: 113410
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 9.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 7.879 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

Instrument :

BNA_F

ClientSampleId :

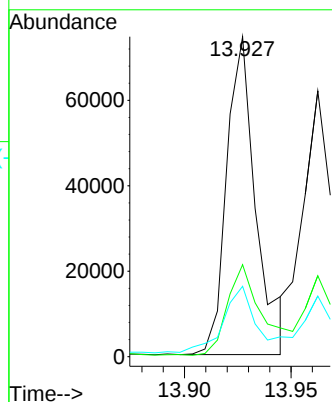
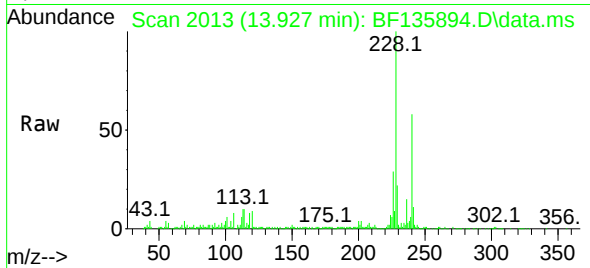
R-1(10-15)DL

Tgt Ion:228 Resp: 71200
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.2
229 22.0 16.1 24.1

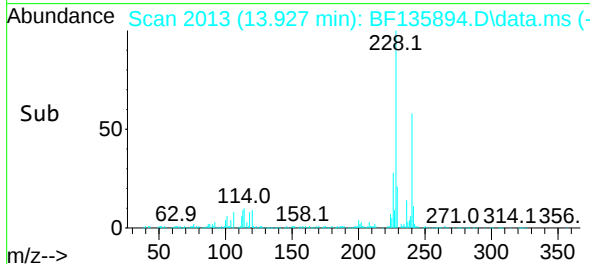
Manual Integrations

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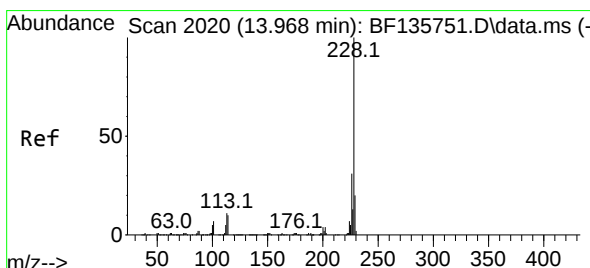
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



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Supervised By :mohammad
ahmed

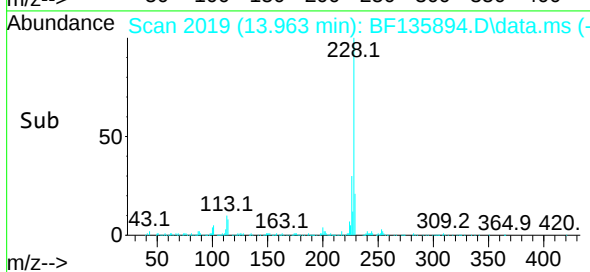
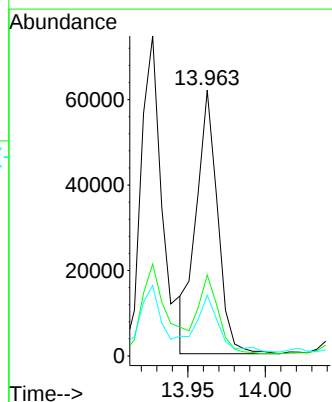
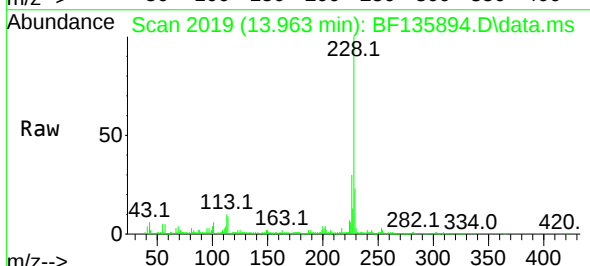


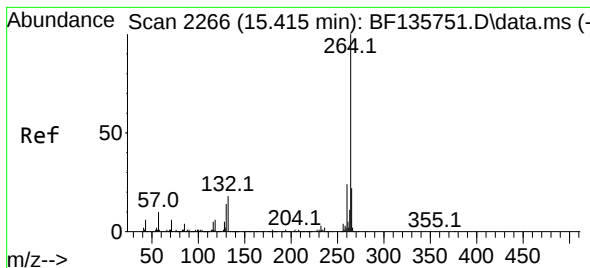
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#83
Chrysene
Concen: 6.792 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

Tgt Ion:228 Resp: 59452
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.8 15.7 23.5





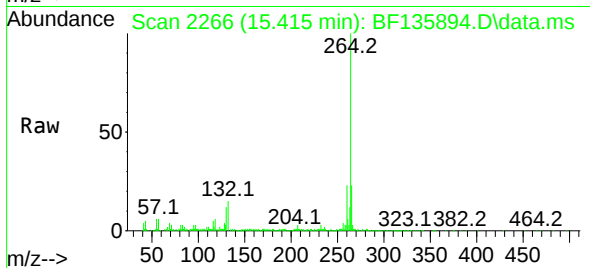
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17

Instrument :

BNA_F

ClientSampleId :

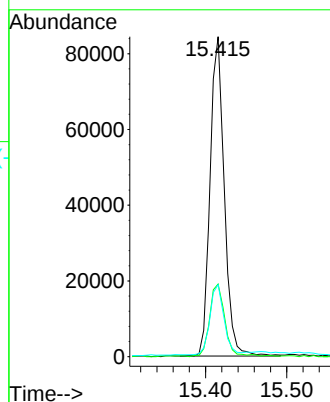
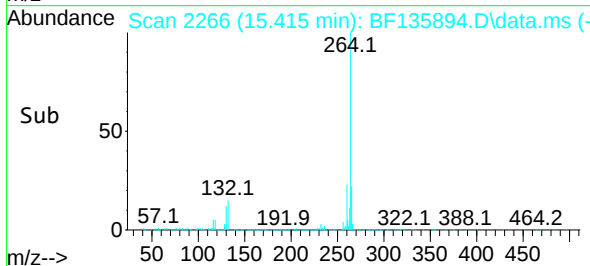
R-1(10-15)DL



Tgt Ion:264 Resp: 10235
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 22.5 17.4 26.2

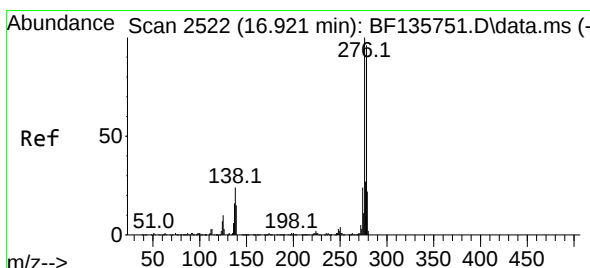
Manual Integrations
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Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

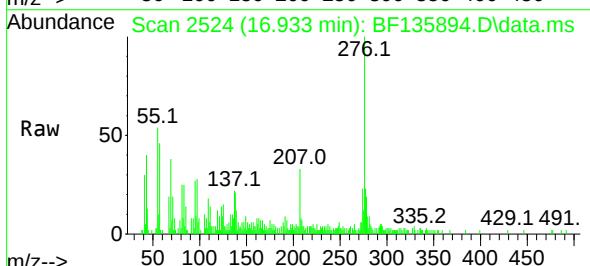


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Supervised By :mohammad
ahmed

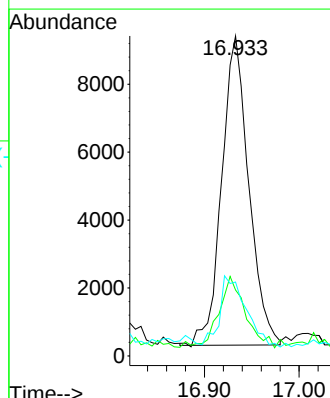
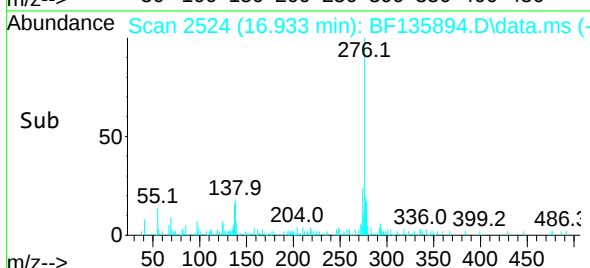
10/20/2023

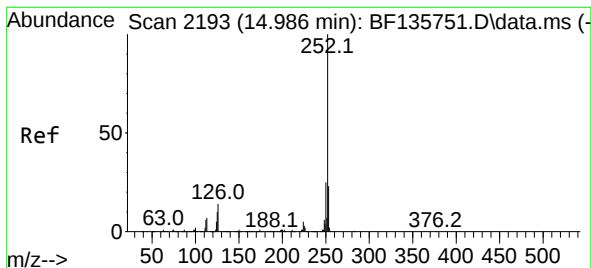


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.237 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BF135894.D
Acq: 19 Oct 2023 19:17



Tgt Ion:276 Resp: 18053
Ion Ratio Lower Upper
276 100
138 21.9 19.8 29.6
277 22.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 7.346 ng m

RT: 14.992 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Instrument :

BNF

ClientSampleId :

R-1(10-15)DL

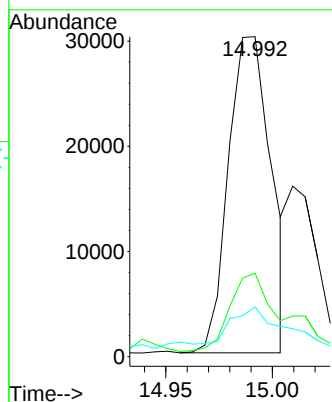
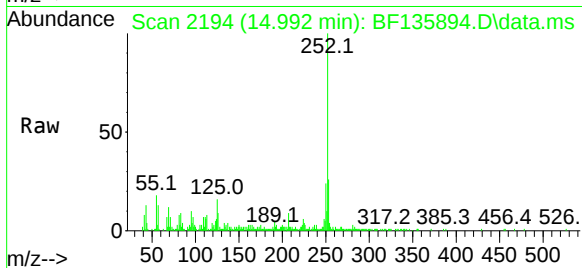
Tgt Ion:252 Resp: 42080
 Ion Ratio Lower Upper
 252 100
 253 26.1 18.2 27.2
 125 15.6 8.2 12.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/20/2023

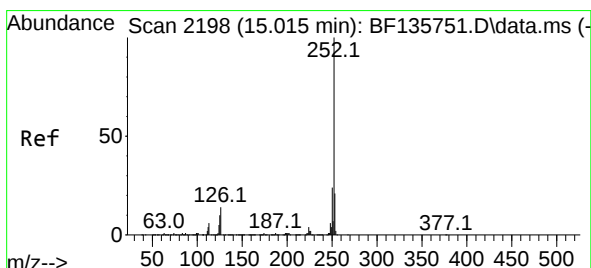
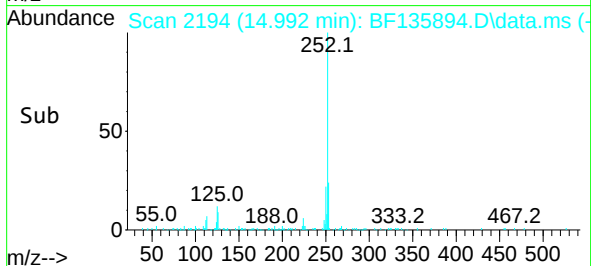
Supervised By :mohammad ahmed 10/20/2023



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Supervised By :mohammad
ahmed

10/20/2023



#89

Benzo(k)fluoranthene

Concen: 2.858 ng m

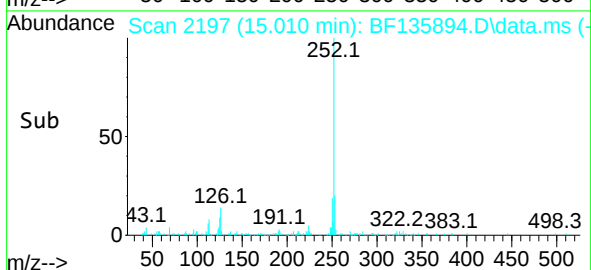
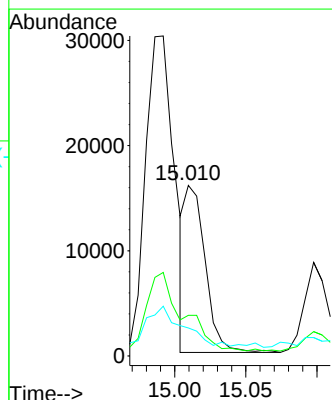
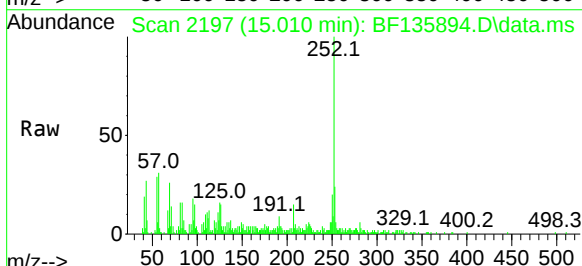
RT: 15.010 min Scan# 2197

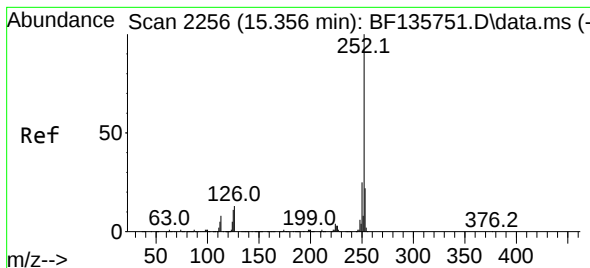
Delta R.T. -0.012 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Tgt Ion:252 Resp: 15896
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.4 26.0
 125 16.4 8.3 12.5





#90

Benzo(a)pyrene

Concen: 7.052 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Instrument :

BNF

ClientSampleId :

R-1(10-15)DL

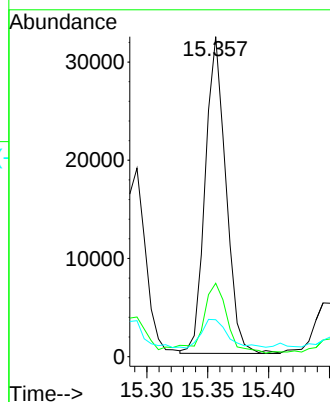
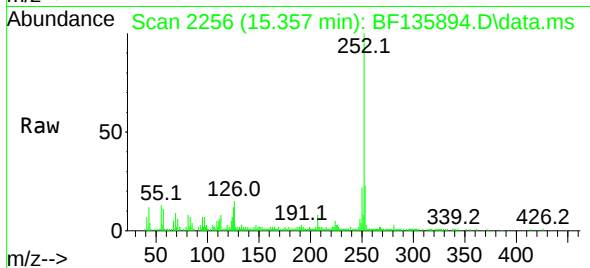
Tgt Ion:	252	Resp:	3798
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	11.6	8.8	13.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/20/2023

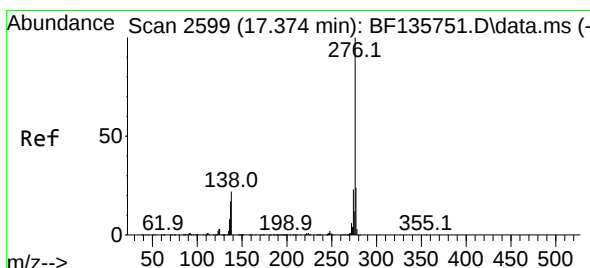
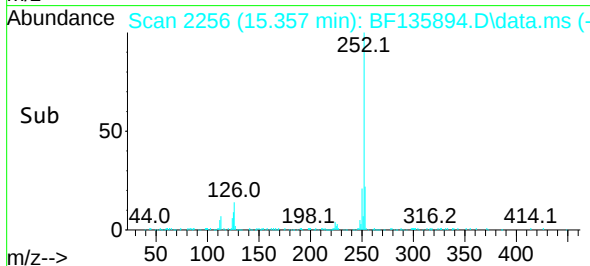
Supervised By :mohammad ahmed 10/20/2023



10/20/2023

Supervised By :mohammad
ahmed

10/20/2023



#92

Benzo(g,h,i)perylene

Concen: 3.490 ng

RT: 17.392 min Scan# 2602

Delta R.T. 0.006 min

Lab File: BF135894.D

Acq: 19 Oct 2023 19:17

Tgt Ion:	276	Resp:	16388
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.4	29.2
138	29.8	17.3	25.9

