

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135897.D
 Acq On : 19 Oct 2023 20:51
 Operator : CG\JU
 Sample : 04704-05DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-104-1(5-10)DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 20 02:04:59 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	45249	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	172714	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	71563	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	123462	20.000	ng	#-0.01
76) Chrysene-d12	13.933	240	94248	20.000	ng	-0.02
86) Perylene-d12	15.410	264	84865	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	74770	26.567	ng	0.00
7) Phenol-d6	6.398	99	73865	21.034	ng	0.00
23) Nitrobenzene-d5	7.304	82	43818	13.953	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	13593	19.795	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	84029	18.359	ng	-0.01
79) Terphenyl-d14	12.863	244	80353	15.789	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.034	128	88711	10.530	ng	97
37) 2-Methylnaphthalene	8.734	142	20669	3.724	ng	96
38) 1-Methylnaphthalene	8.828	142	40122	7.837	ng	98
49) Acenaphthylene	9.633	152	40143	6.140	ng	97
52) Acenaphthene	9.804	154	8581	2.190	ng	91
55) Dibenzofuran	9.981	168	12552	2.123	ng	# 93
58) Fluorene	10.322	166	31231	6.747	ng	98
71) Phenanthrene	11.292	178	183894	31.093	ng	99
72) Anthracene	11.345	178	46659	7.613	ng	97
75) Fluoranthene	12.492	202	151283	23.047	ng	98
78) Pyrene	12.722	202	204432	27.296	ng	99
81) Benzo(a)anthracene	13.927	228	80735	13.042	ng	98
83) Chrysene	13.963	228	84641	14.116	ng	99
87) Indeno(1,2,3-cd)pyrene	16.921	276	25026	5.412	ng	# 92
88) Benzo(b)fluoranthene	14.986	252	61981m	13.050	ng	
89) Benzo(k)fluoranthene	15.010	252	19117m	4.146	ng	
90) Benzo(a)pyrene	15.351	252	55782	12.490	ng	96
91) Dibenzo(a,h)anthracene	16.915	278	7840	2.068	ng	# 72
92) Benzo(g,h,i)perylene	17.386	276	25516	6.553	ng	# 92

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

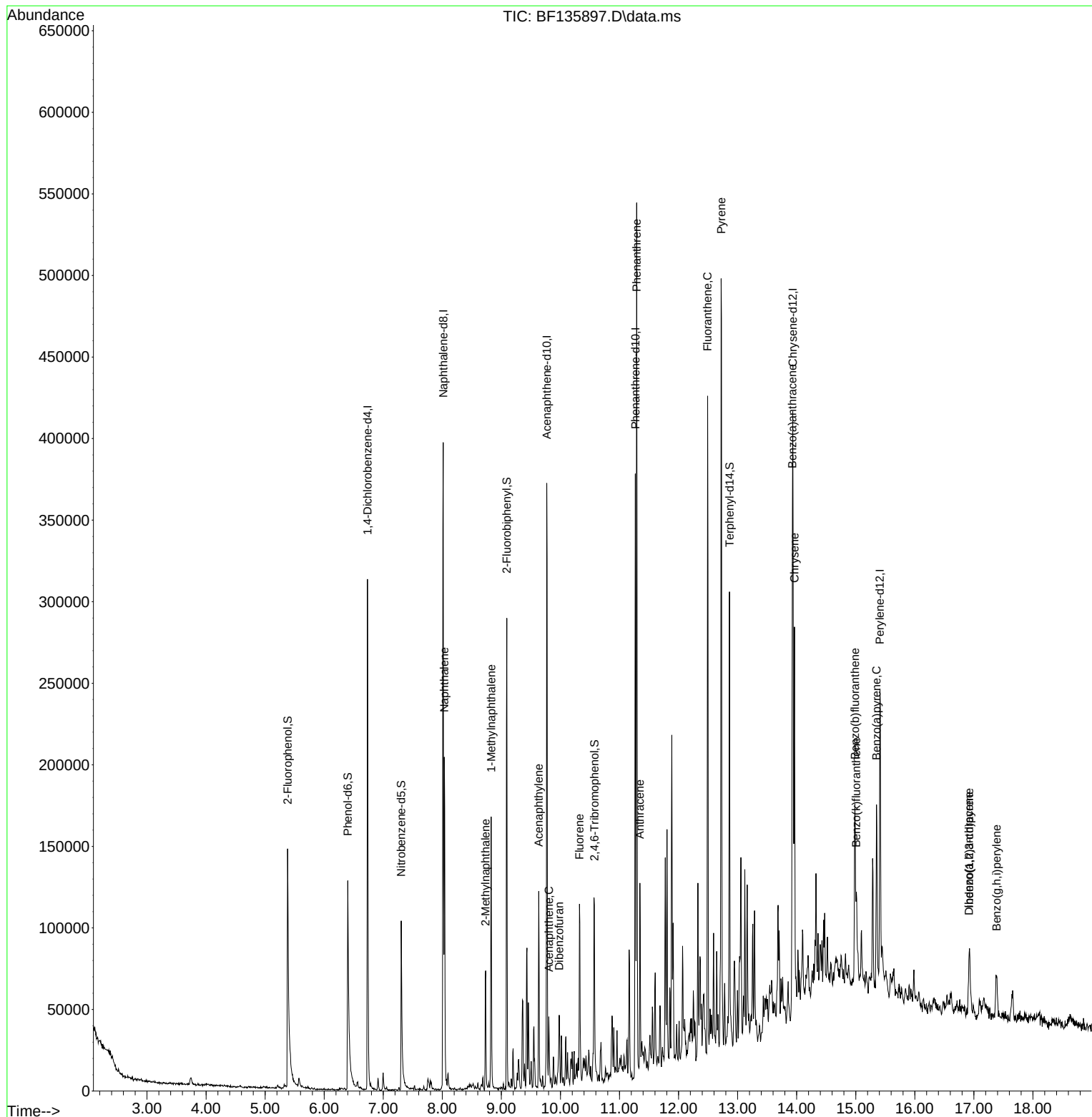
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135897.D
Acq On : 19 Oct 2023 20:51
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Sample : 04704-05DL 5X
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ALS Vial : 19 Sample Multiplier: 1

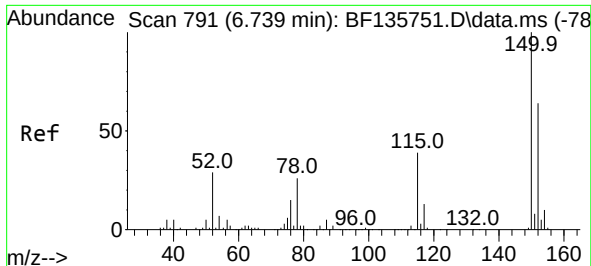
Instrument :
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Quant Time: Oct 20 02:04:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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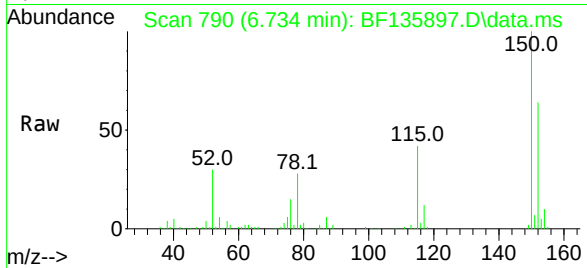
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

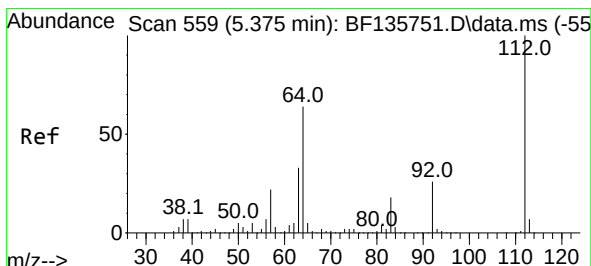
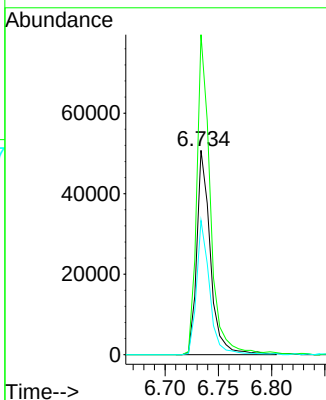
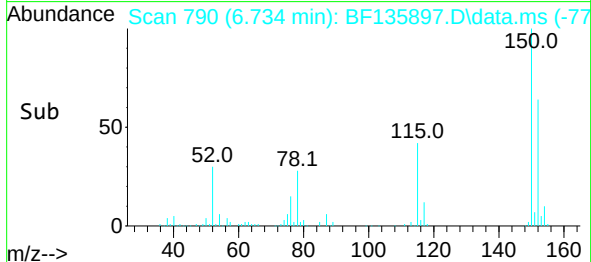
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL



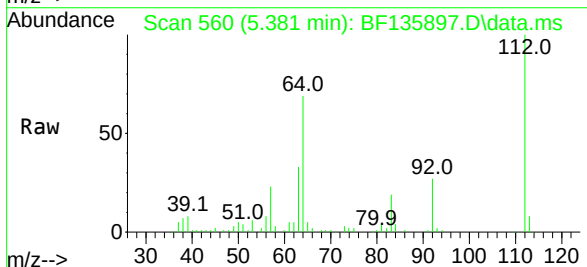
Tgt Ion:152 Resp: 45249
Ion Ratio Lower Upper
152 100
150 156.6 124.5 186.7
115 65.7 49.0 73.4

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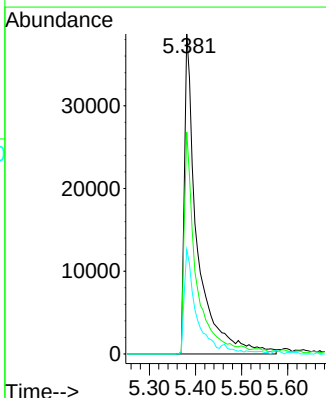
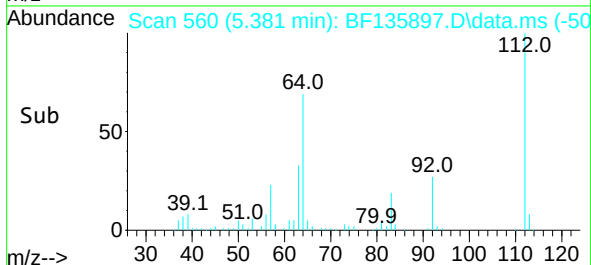
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

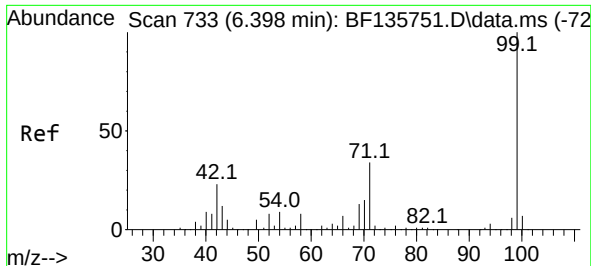


#5
2-Fluorophenol
Concen: 26.567 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51



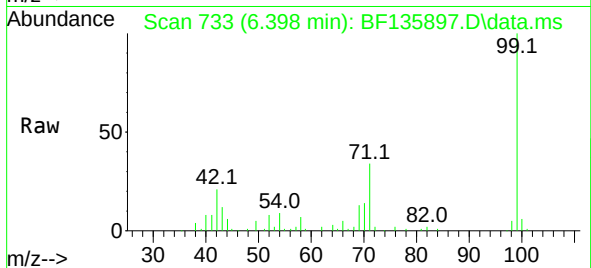
Tgt Ion:112 Resp: 74770
Ion Ratio Lower Upper
112 100
64 69.4 51.2 76.8
63 32.6 26.1 39.1





#7
Phenol-d6
Concen: 21.034 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

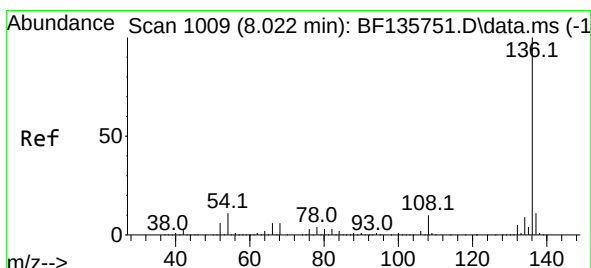
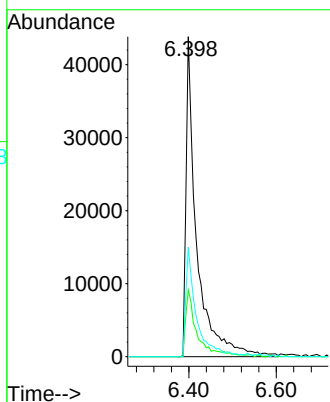
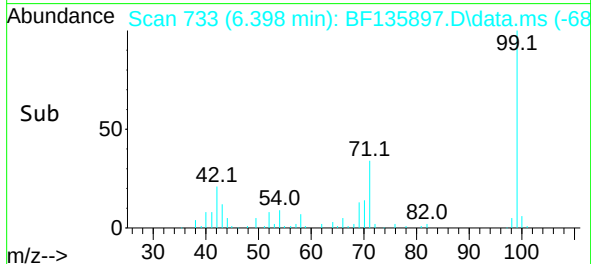
Instrument :
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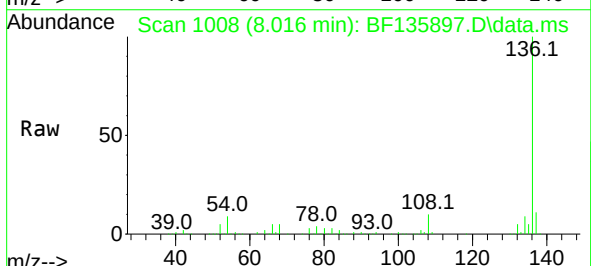
Tgt Ion: 99 Resp: 7386
Ion Ratio Lower Upper
99 100
42 20.9 18.4 27.6
71 34.2 27.2 40.8

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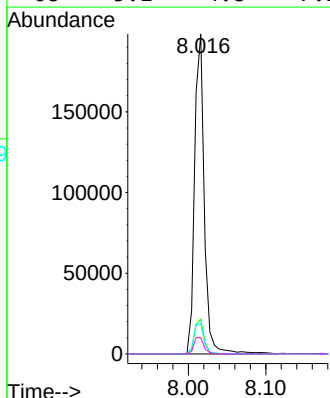
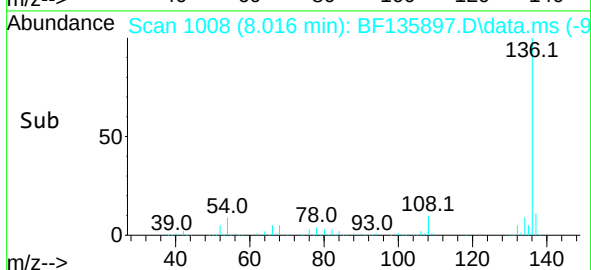
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

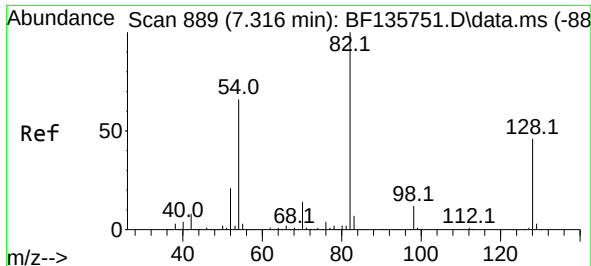


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51



Tgt Ion:136 Resp: 172714
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.5 8.5 12.7
68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 13.953 ng

RT: 7.304 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Instrument :

BNA_F

ClientSampleId :

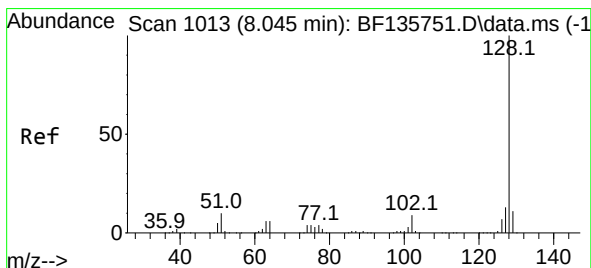
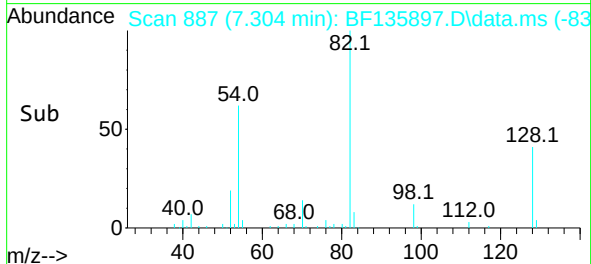
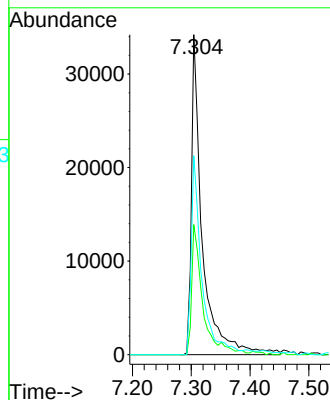
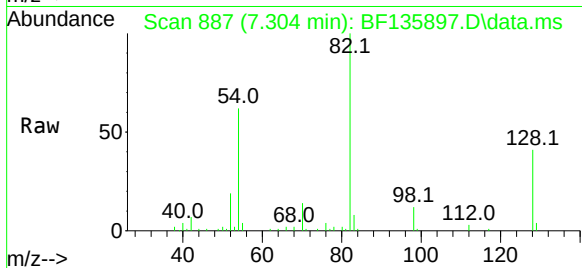
SB-104-1(5-10)DL

Tgt Ion: 82 Resp: 43818
 Ion Ratio Lower Upper
 82 100
 128 40.6 37.0 55.6
 54 62.2 52.8 79.2

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



#31

Naphthalene

Concen: 10.530 ng

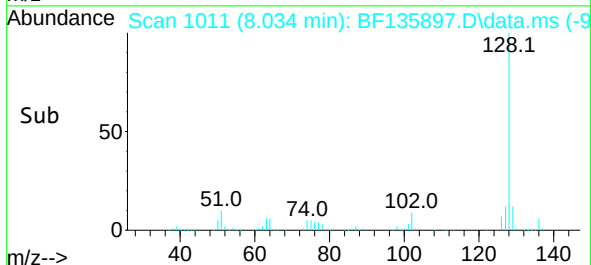
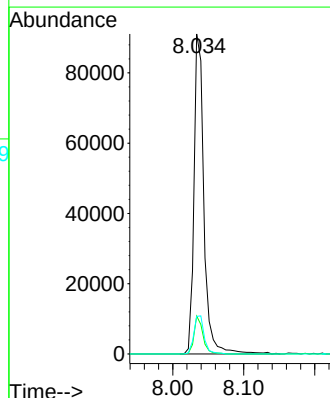
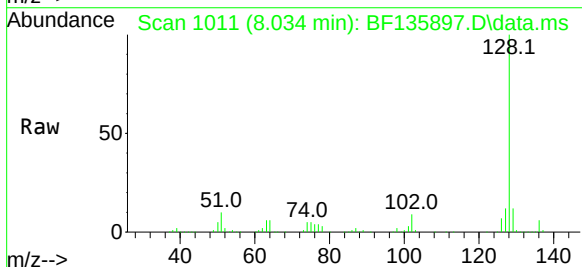
RT: 8.034 min Scan# 1011

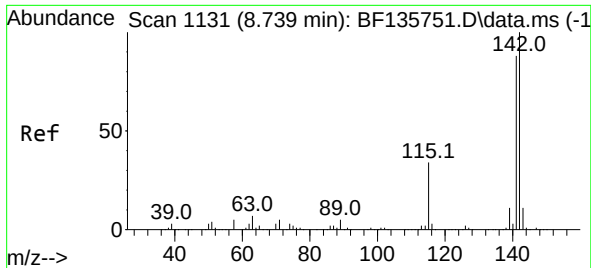
Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

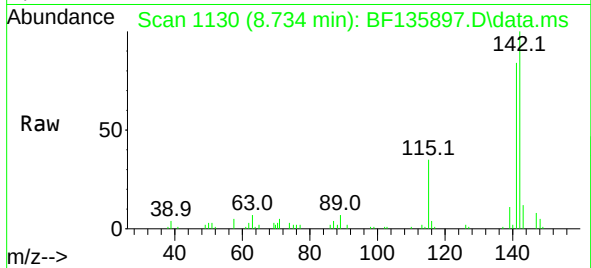
Tgt Ion:128 Resp: 88711
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.7 13.1
 127 11.8 10.2 15.4





#37
2-Methylnaphthalene
Concen: 3.724 ng
RT: 8.734 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

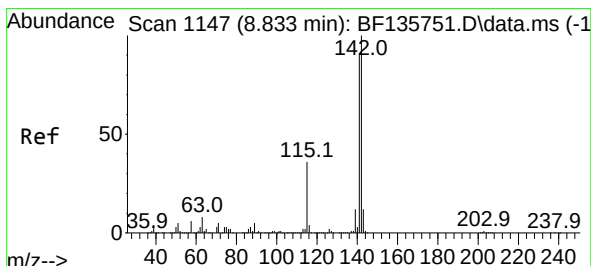
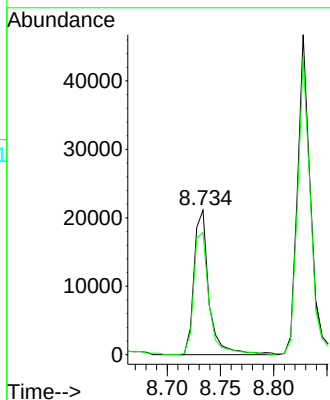
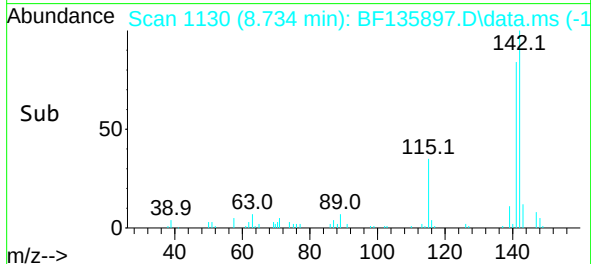
Instrument :
BNA_F
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Tgt Ion:142 Resp: 20669
Ion Ratio Lower Upper
142 100
141 84.5 70.6 105.8

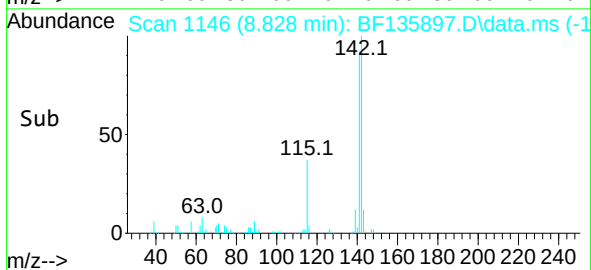
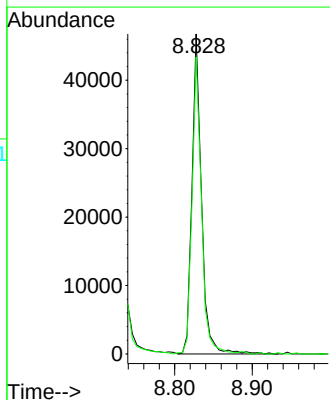
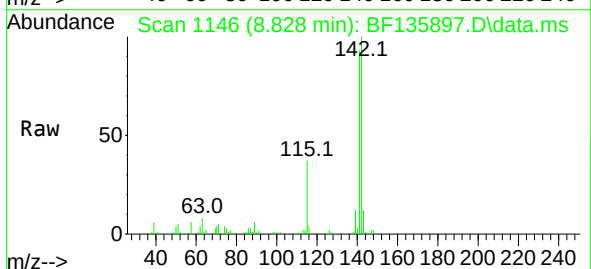
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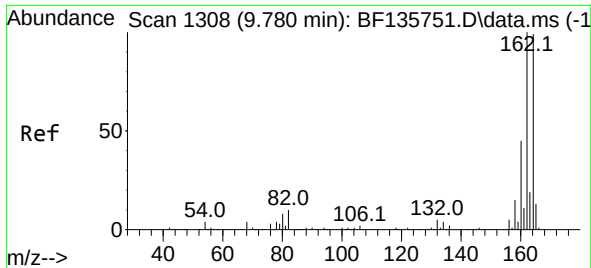
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#38
1-Methylnaphthalene
Concen: 7.837 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

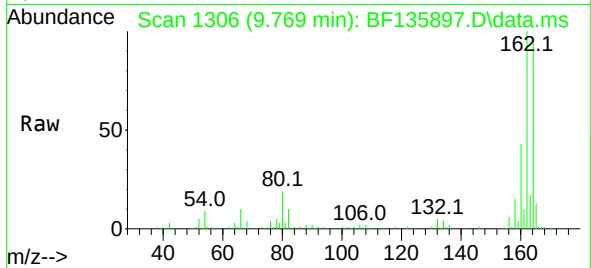
Tgt Ion:142 Resp: 40122
Ion Ratio Lower Upper
142 100
141 92.8 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

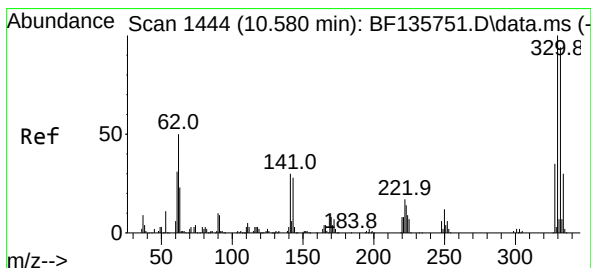
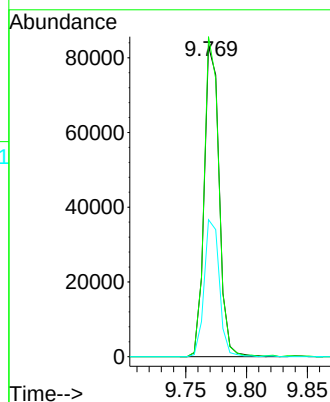
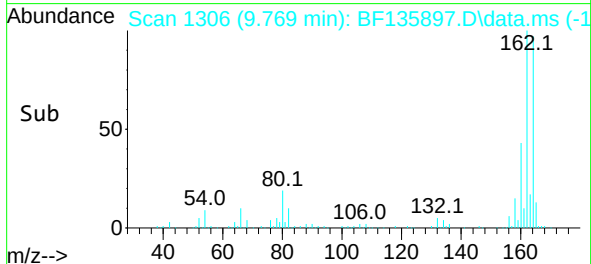
Instrument :
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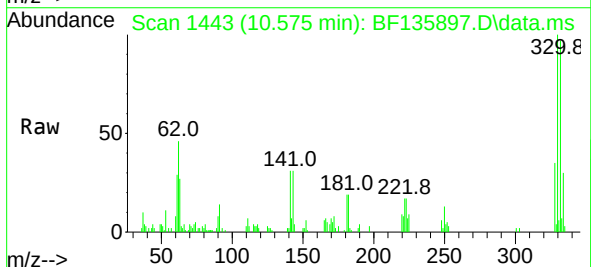
Tgt Ion:164 Resp: 7156
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 44.1 36.6 54.8

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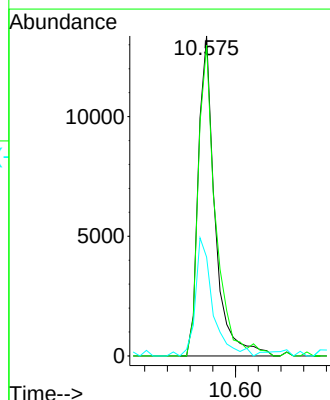
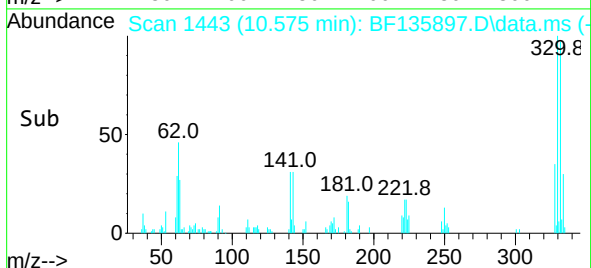
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

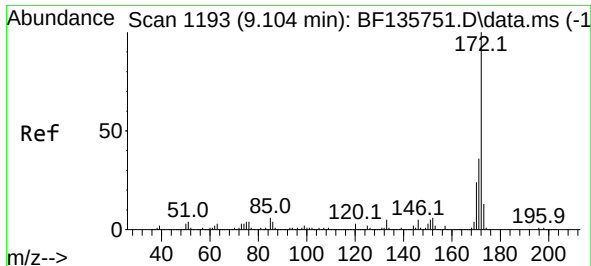


#42
2,4,6-Tribromophenol
Concen: 19.795 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51



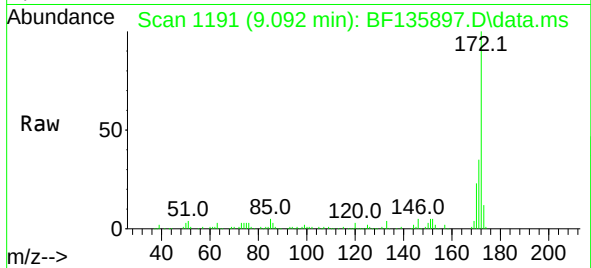
Tgt Ion:330 Resp: 13593
Ion Ratio Lower Upper
330 100
332 101.5 75.0 112.4
141 38.4 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 18.359 ng
RT: 9.092 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

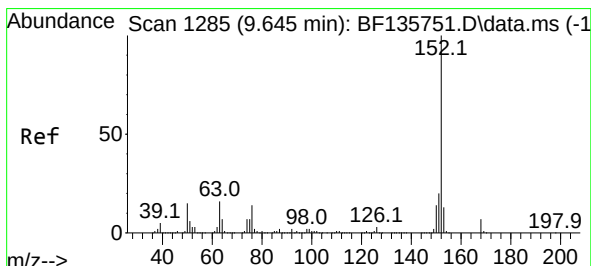
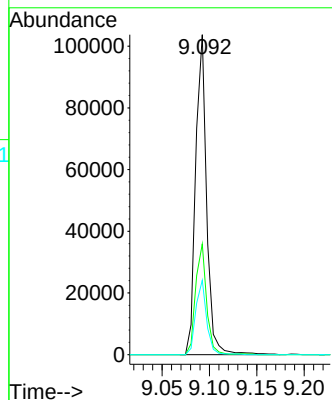
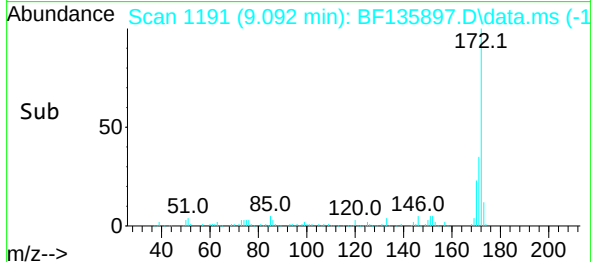
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Tgt Ion:172 Resp: 84029
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 23.2 18.8 28.2

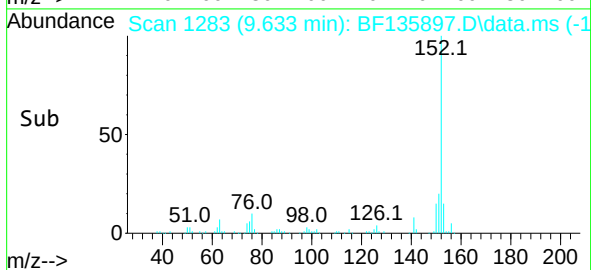
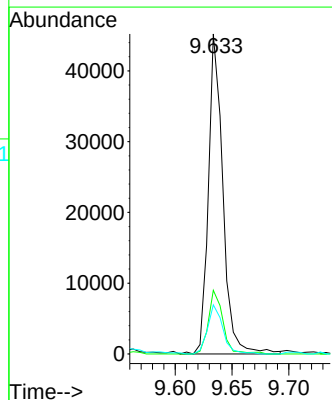
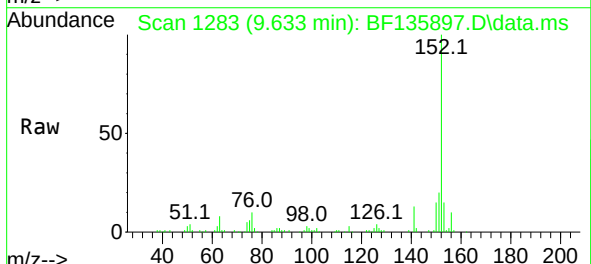
Manual Integrations
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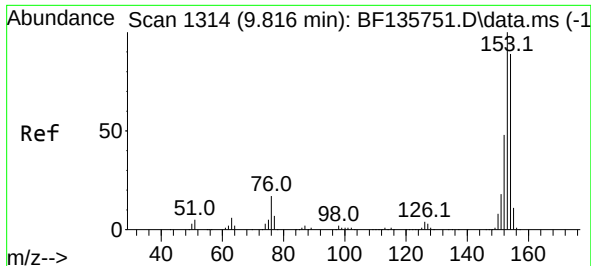
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#49
Acenaphthylene
Concen: 6.140 ng
RT: 9.633 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

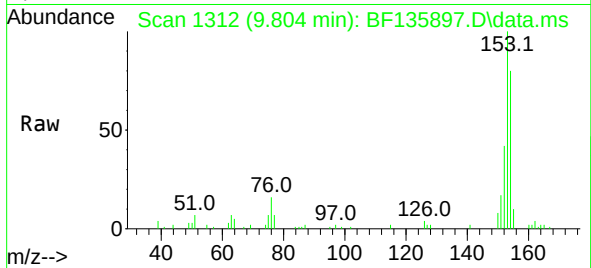
Tgt Ion:152 Resp: 40143
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 15.3 10.2 15.4





#52
Acenaphthene
Concen: 2.190 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

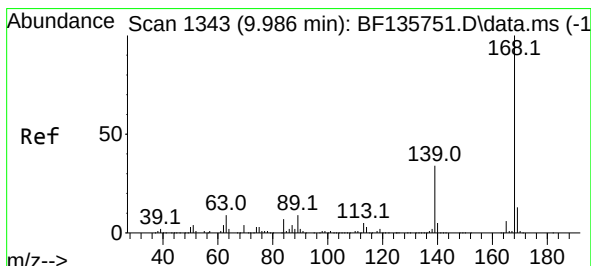
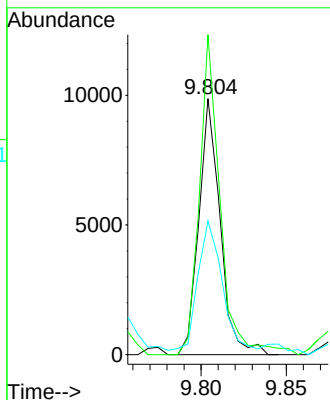
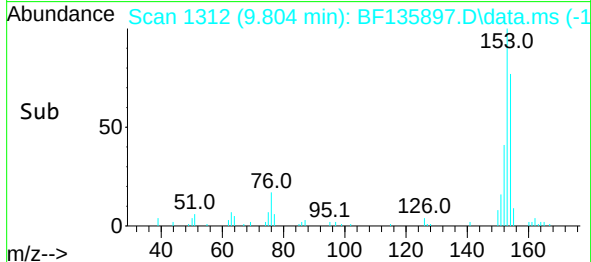
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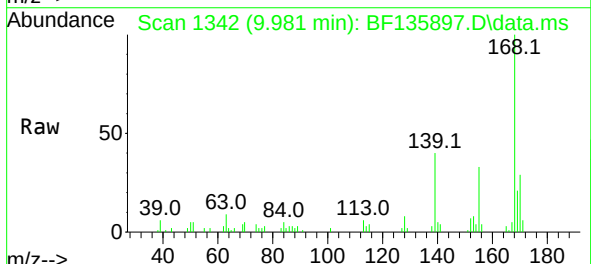
Tgt Ion:154 Resp: 858
Ion Ratio Lower Upper
154 100
153 125.0 90.1 135.1
152 52.1 43.1 64.7

Manual Integrations
APPROVED

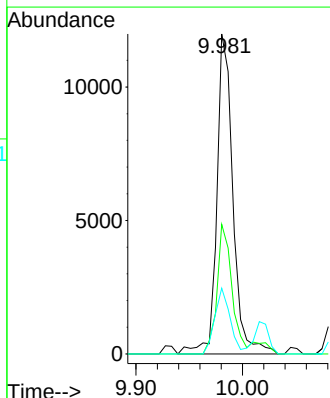
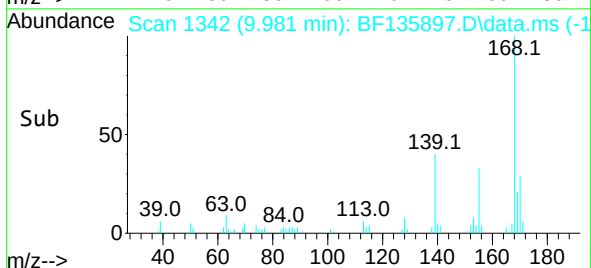
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

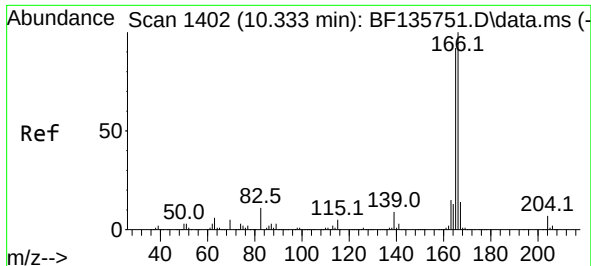


#55
Dibenzofuran
Concen: 2.123 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51



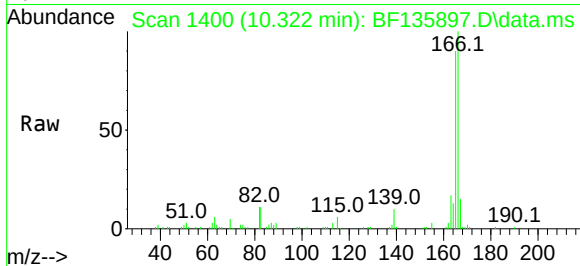
Tgt Ion:168 Resp: 12552
Ion Ratio Lower Upper
168 100
139 40.5 31.0 46.4
169 20.5 10.7 16.1#





#58
Fluorene
Concen: 6.747 ng
RT: 10.322 min Scan# 1402
Delta R.T. -0.018 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

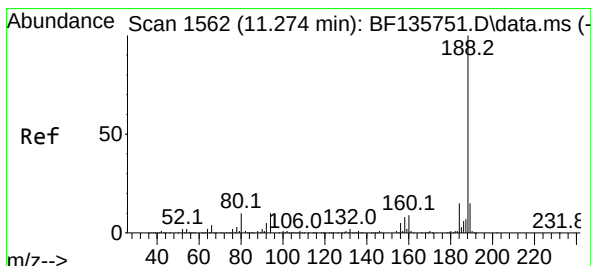
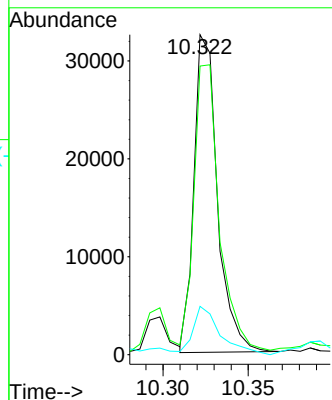
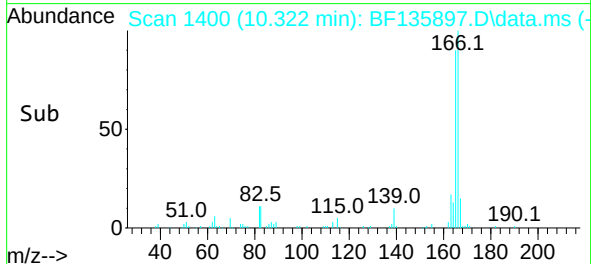
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL



Tgt Ion:166 Resp: 3123
Ion Ratio Lower Upper
166 100
165 90.2 73.4 110.0
167 15.1 11.0 16.6

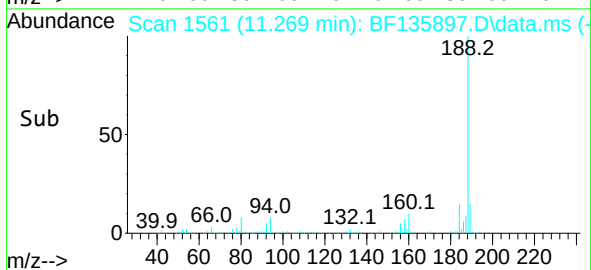
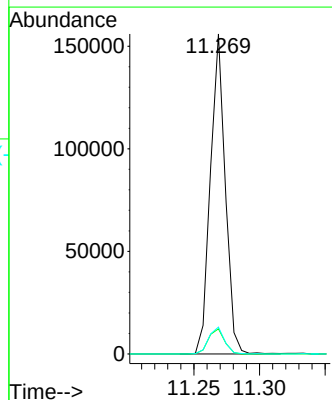
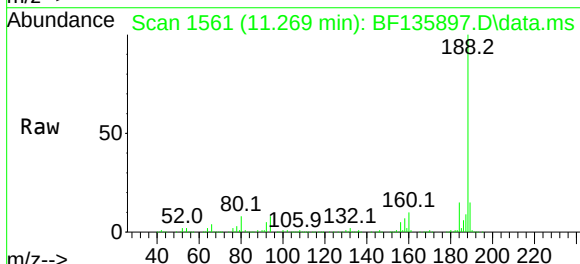
Manual Integrations
APPROVED

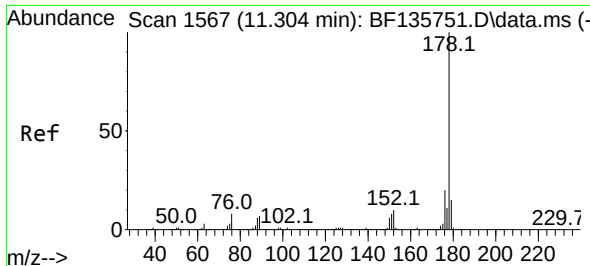
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

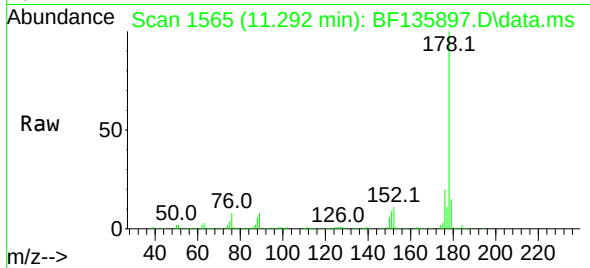
Tgt Ion:188 Resp: 123462
Ion Ratio Lower Upper
188 100
94 7.9 8.0 12.0#
80 8.4 8.3 12.5





#71
Phenanthrene
Concen: 31.093 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

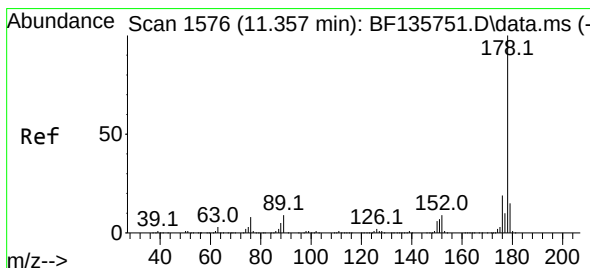
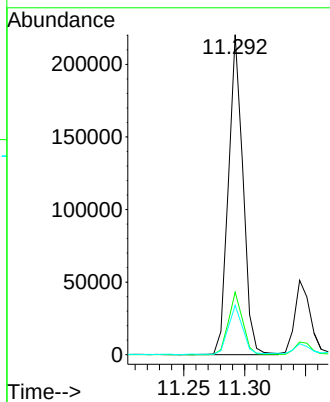
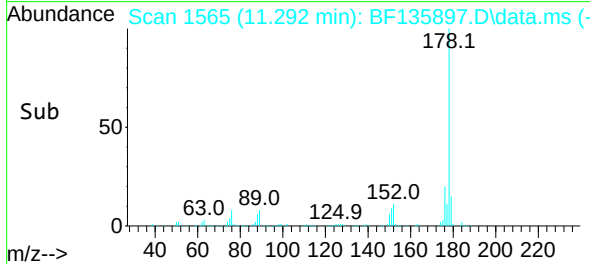
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL



Tgt Ion:178 Resp: 183894
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.4 12.2 18.4

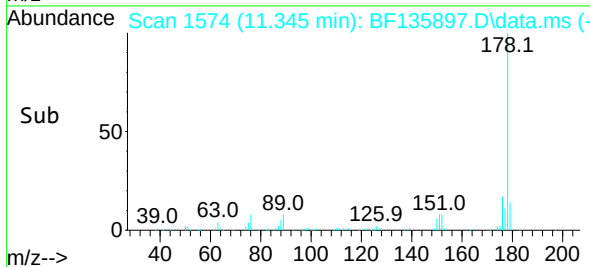
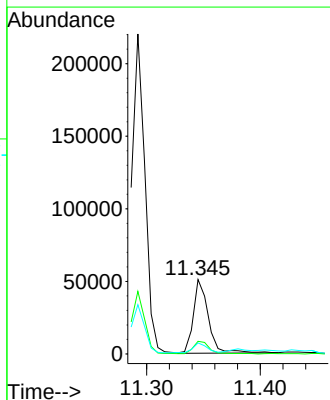
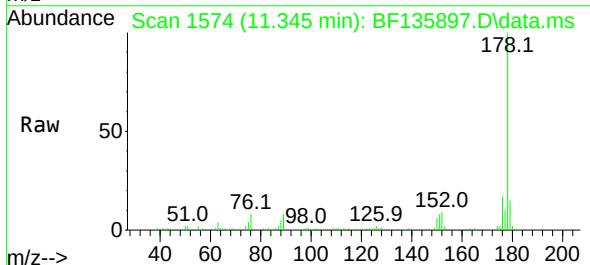
Manual Integrations
APPROVED

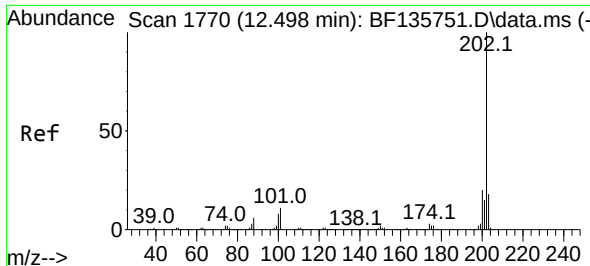
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#72
Anthracene
Concen: 7.613 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

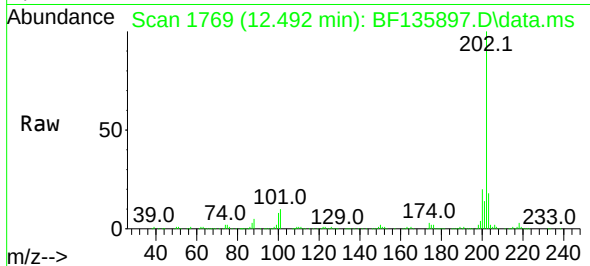
Tgt Ion:178 Resp: 46659
Ion Ratio Lower Upper
178 100
176 17.0 15.1 22.7
179 14.8 12.3 18.5





#75
Fluoranthene
Concen: 23.047 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

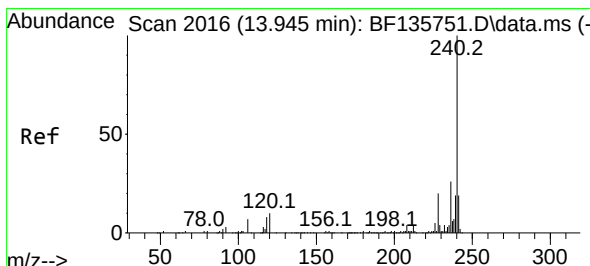
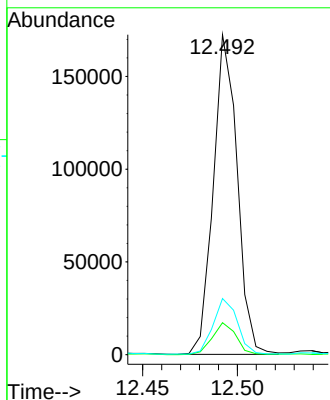
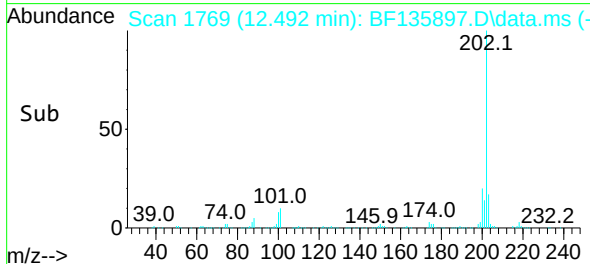
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL



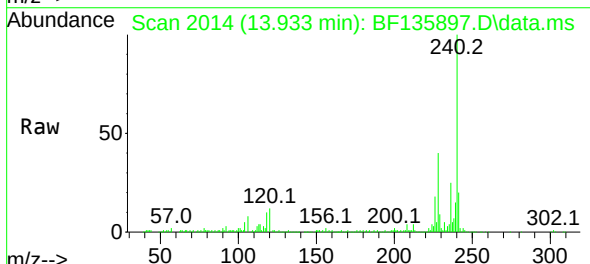
Tgt Ion:202 Resp: 15128
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.5
203 17.6 0.0 38.3

Manual Integrations
APPROVED

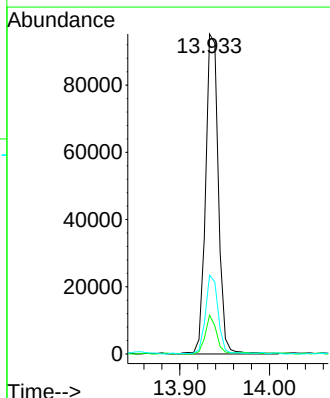
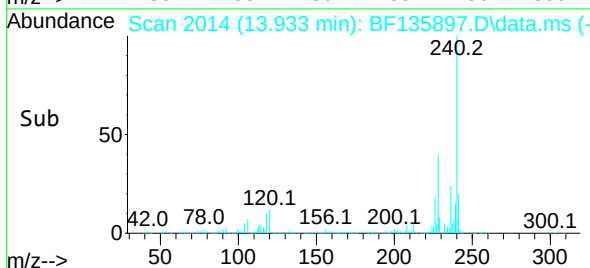
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

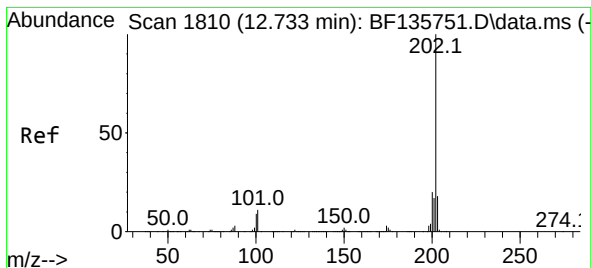


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51



Tgt Ion:240 Resp: 94248
Ion Ratio Lower Upper
240 100
120 12.1 8.2 12.2
236 24.7 21.2 31.8





#78

Pyrene

Concen: 27.296 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

Tgt Ion:202 Resp: 20443

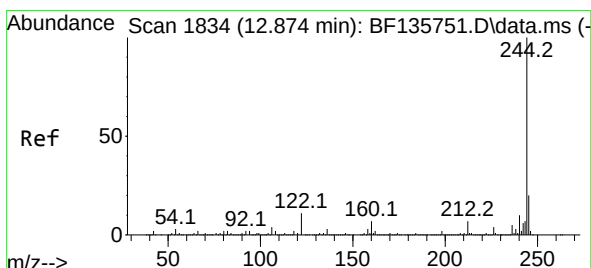
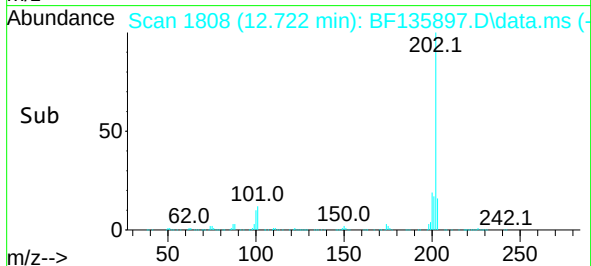
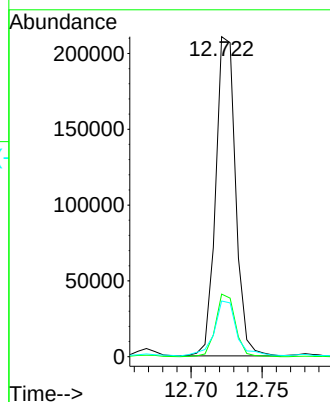
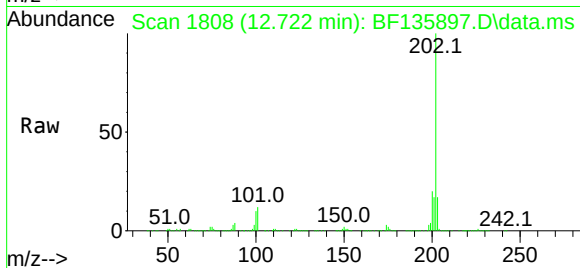
Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.1	24.1
203	17.4	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



#79

Terphenyl-d14

Concen: 15.789 ng

RT: 12.863 min Scan# 1832

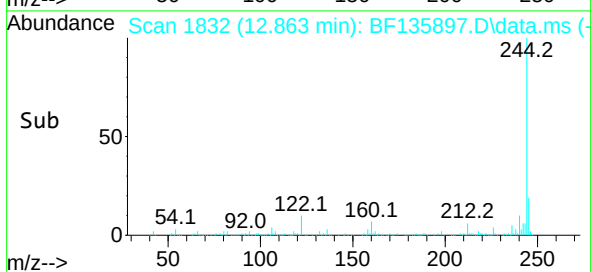
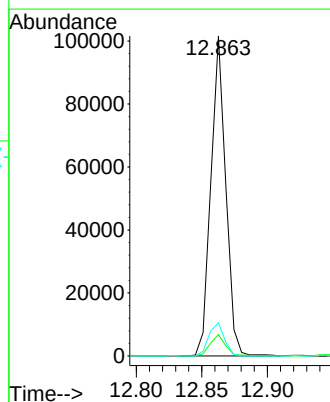
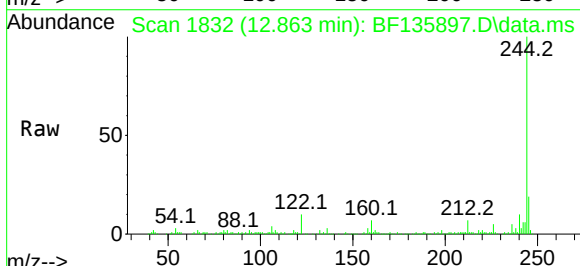
Delta R.T. -0.018 min

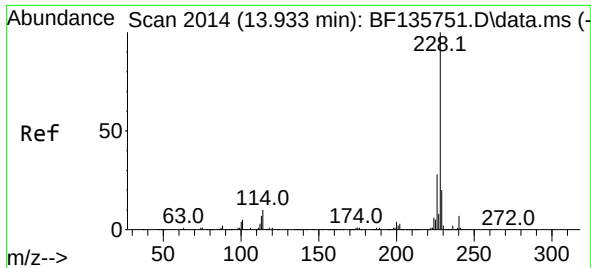
Lab File: BF135897.D

Acq: 19 Oct 2023 20:51

Tgt Ion:244 Resp: 80353

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.4	9.0	13.6





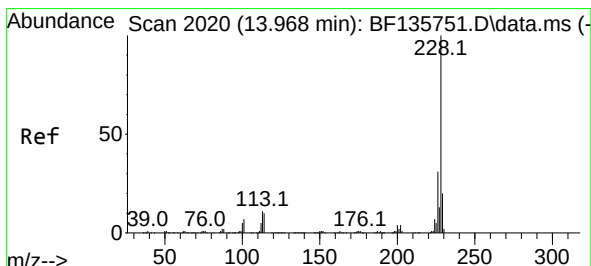
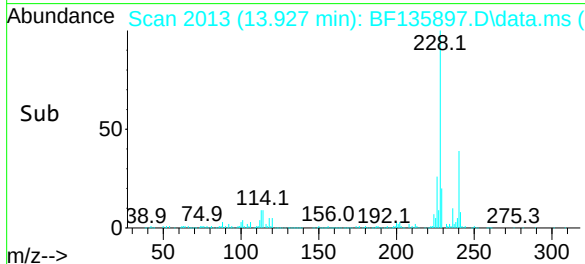
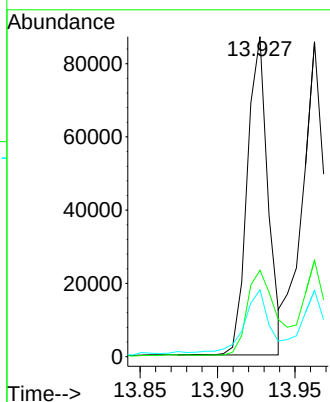
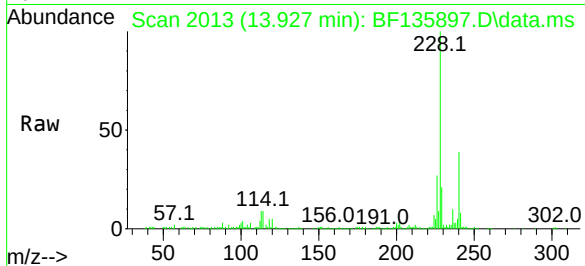
#81
Benzo(a)anthracene
Concen: 13.042 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

Tgt Ion:228 Resp: 80735
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.2
229 20.9 16.1 24.1

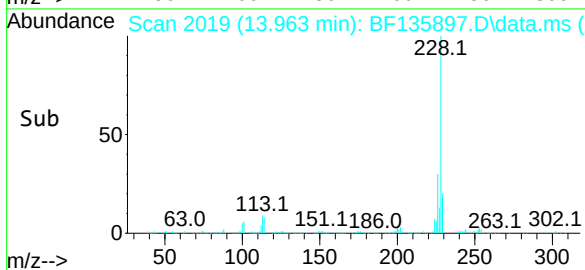
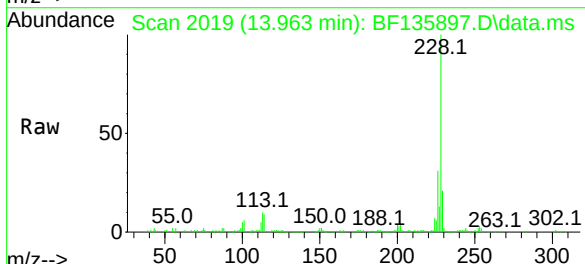
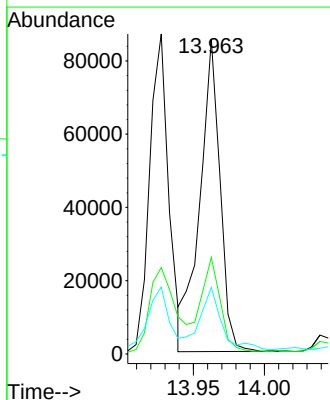
Manual Integrations
APPROVED

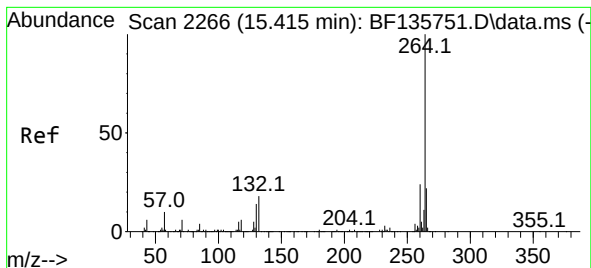
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#83
Chrysene
Concen: 14.116 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Tgt Ion:228 Resp: 84641
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 21.1 15.7 23.5





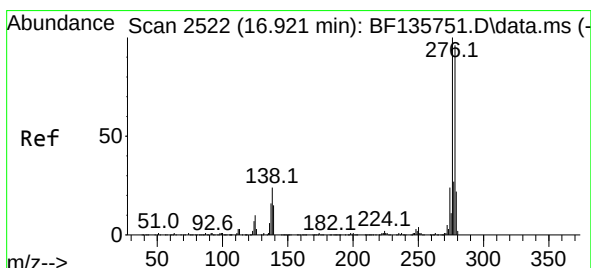
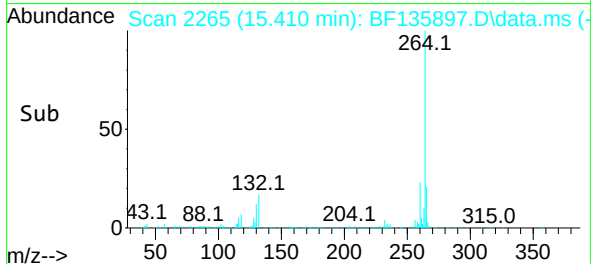
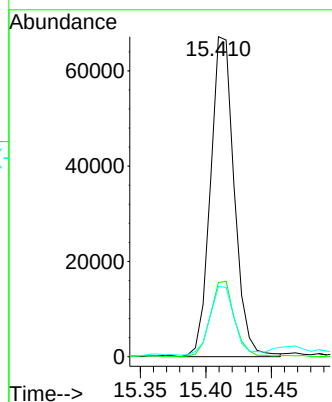
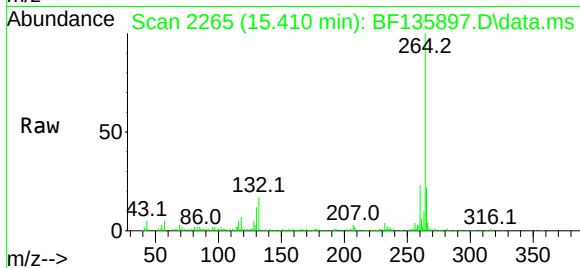
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

Tgt Ion:264 Resp: 8486
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.9 17.4 26.2

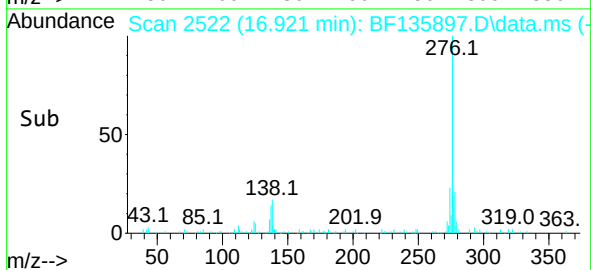
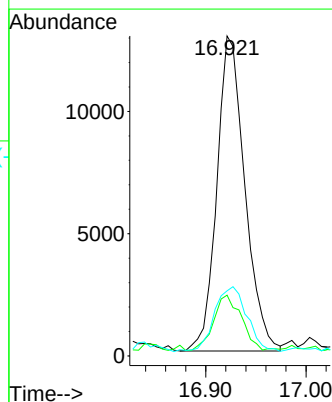
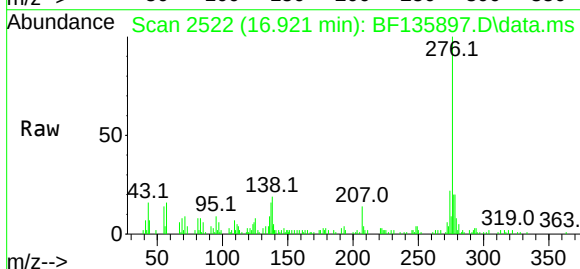
Manual Integrations
APPROVED

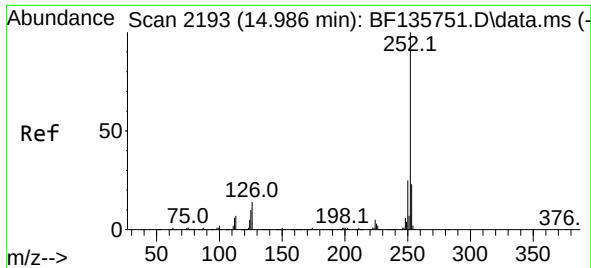
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.412 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

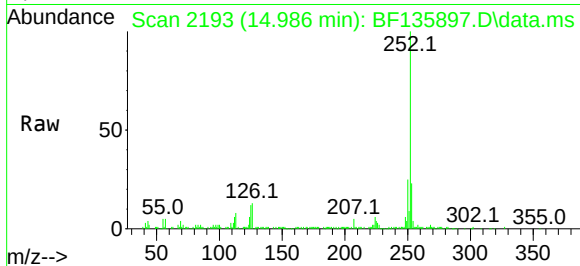
Tgt Ion:276 Resp: 25026
Ion Ratio Lower Upper
276 100
138 17.5 19.8 29.6#
277 24.7 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 13.050 ng m
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

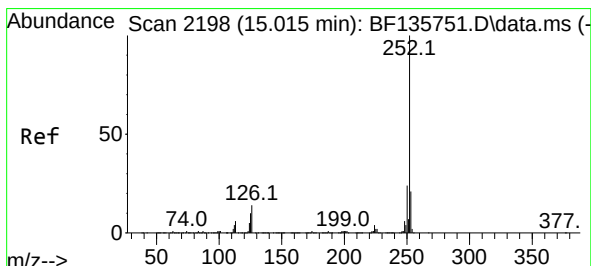
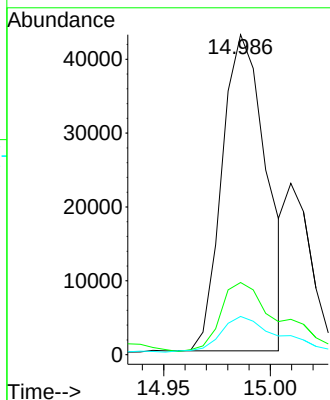
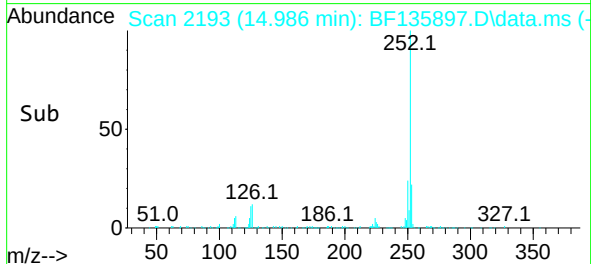
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL



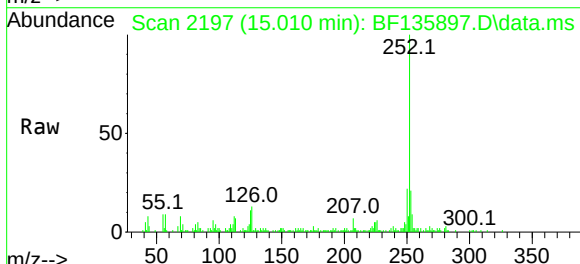
Tgt Ion:252 Resp: 6198
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 12.0 8.2 12.2

Manual Integrations
APPROVED

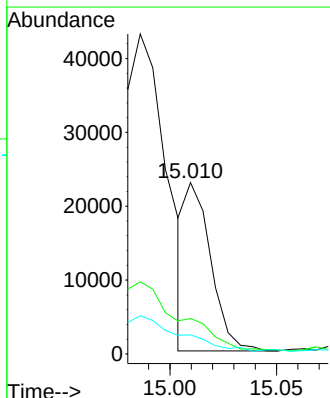
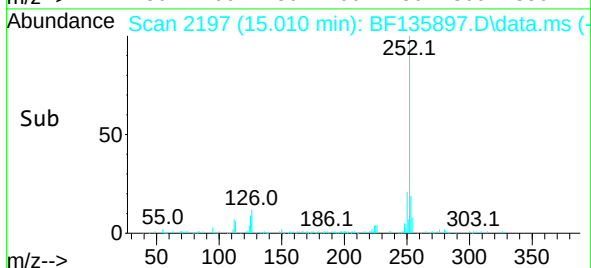
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

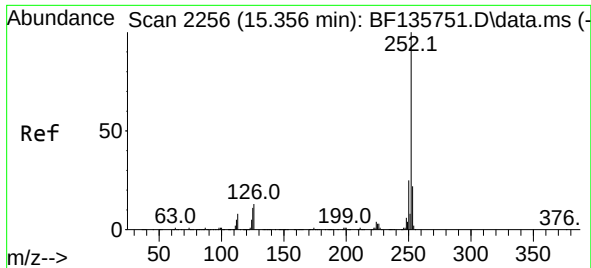


#89
Benzo(k)fluoranthene
Concen: 4.146 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51



Tgt Ion:252 Resp: 19117
Ion Ratio Lower Upper
252 100
253 20.6 17.4 26.0
125 11.1 8.3 12.5





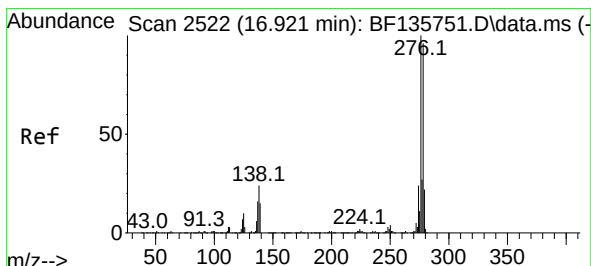
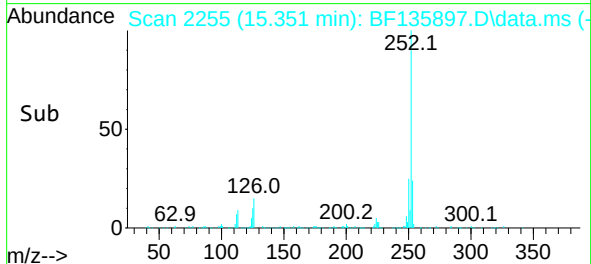
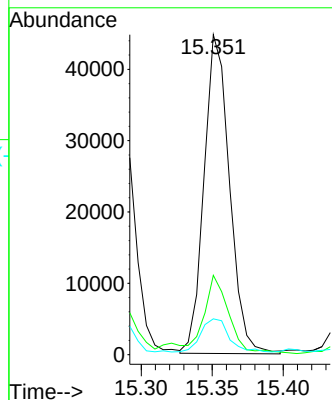
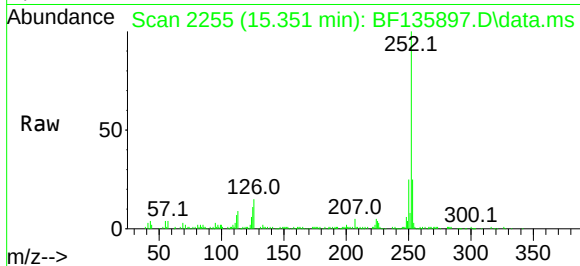
#90
Benzo(a)pyrene
Concen: 12.490 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

Tgt Ion:252 Resp: 5578
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 11.2 8.8 13.2

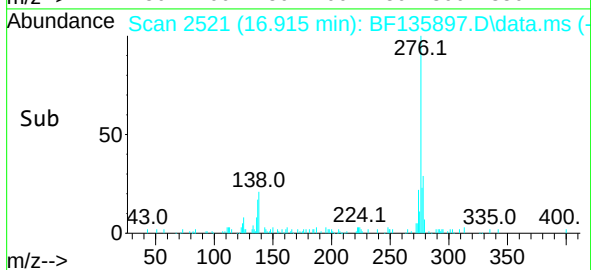
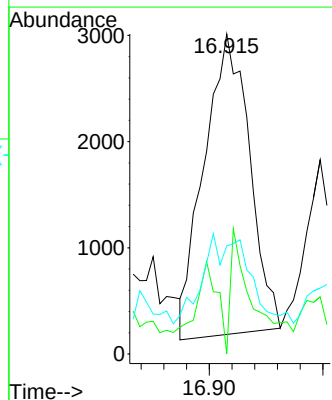
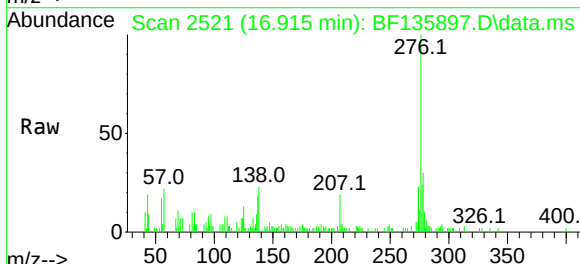
Manual Integrations
APPROVED

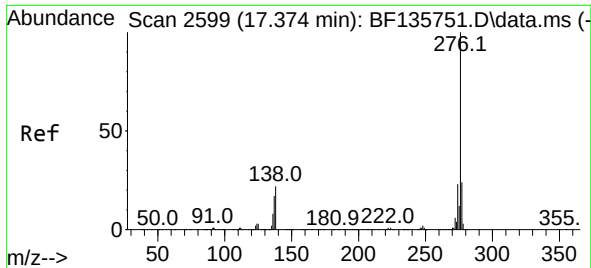
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.068 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.024 min
Lab File: BF135897.D
Acq: 19 Oct 2023 20:51

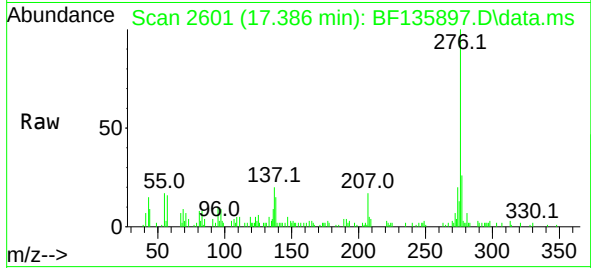
Tgt Ion:278 Resp: 7840
Ion Ratio Lower Upper
278 100
139 0.0 12.5 18.7#
279 33.8 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 6.553 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF135897.D
 Acq: 19 Oct 2023 20:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-104-1(5-10)DL



Tgt Ion: 276 Resp: 25510
 Ion Ratio Lower Upper
 276 100
 277 25.9 19.4 29.2
 138 14.8 17.3 25.9

Manual Integrations
 APPROVED

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

