

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135833.D
 Acq On : 18 Oct 2023 02:07
 Operator : CG\JU
 Sample : 04817-01DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

Quant Time: Oct 18 05:05:02 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	6.740	152	78028	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	279333	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	126045	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	221334	20.000	ng	0.00
76) Chrysene-d12	13.939	240	176230	20.000	ng	-0.01
86) Perylene-d12	15.415	264	146239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	102020	21.021	ng	0.00
7) Phenol-d6	6.398	99	133674	22.075	ng	0.00
23) Nitrobenzene-d5	7.304	82	75274	14.821	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	25591	21.158	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	141559	17.560	ng	-0.01
79) Terphenyl-d14	12.869	244	133456	14.024	ng	-0.01
Target Compounds					Qvalue	
52) Acenaphthene	9.810	154	64236	9.307	ng	99
55) Dibenzofuran	9.986	168	105636	10.143	ng	94
58) Fluorene	10.328	166	132512	16.253	ng	99
71) Phenanthrene	11.298	178	573262	54.066	ng	99
72) Anthracene	11.351	178	78689	7.162	ng	99
73) Carbazole	11.516	167	35139	3.429	ng	99
75) Fluoranthene	12.498	202	455231	38.684	ng	98
78) Pyrene	12.727	202	318570	22.748	ng	99
81) Benzo(a)anthracene	13.927	228	68666	5.932	ng	99
83) Chrysene	13.968	228	55998	4.995	ng	97
88) Benzo(b)fluoranthene	14.992	252	27678m	3.382	ng	
90) Benzo(a)pyrene	15.357	252	16033	2.083	ng	# 91

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

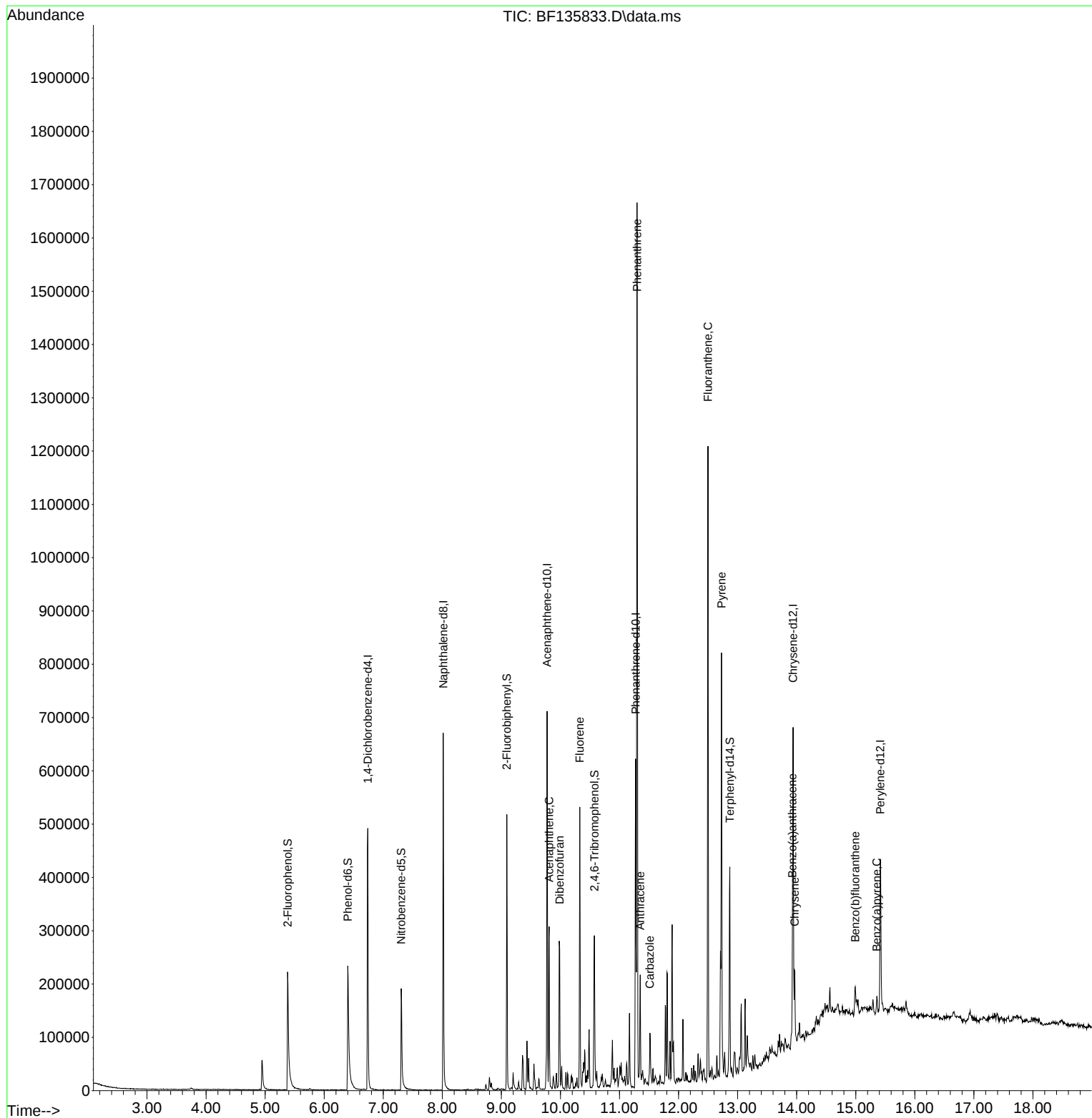
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135833.D
Acq On : 18 Oct 2023 02:07
Operator : CG\JU
Sample : 04817-01DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

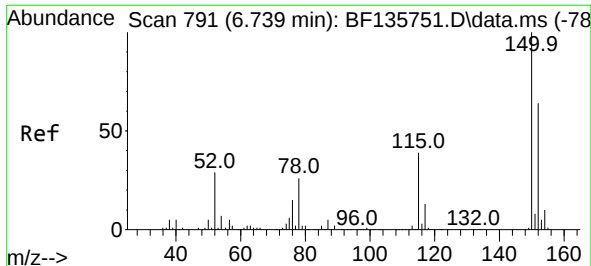
Instrument :
BNA_F
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72-11930DL

Quant Time: Oct 18 05:05:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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Response via : Initial Calibration

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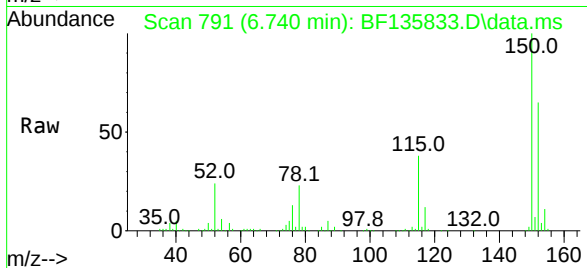
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

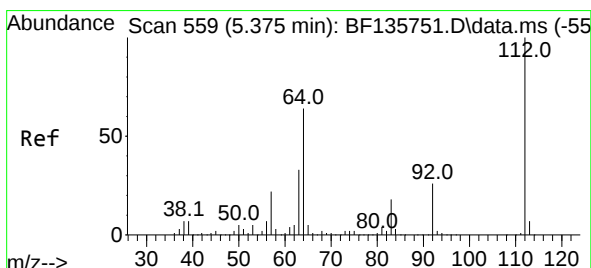
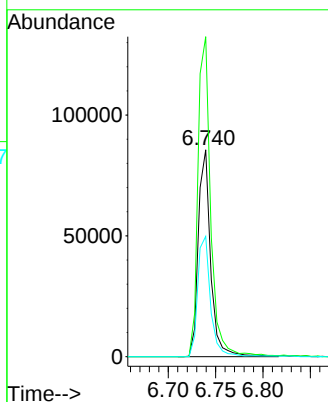
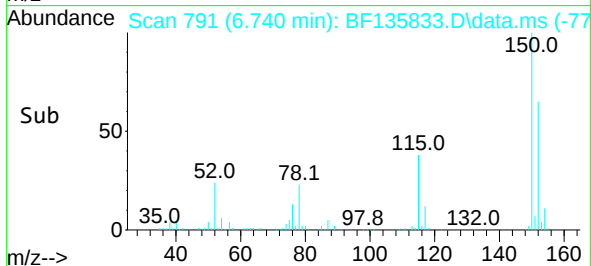
Instrument :
BNA_F
ClientSampleId :
72-11930DL



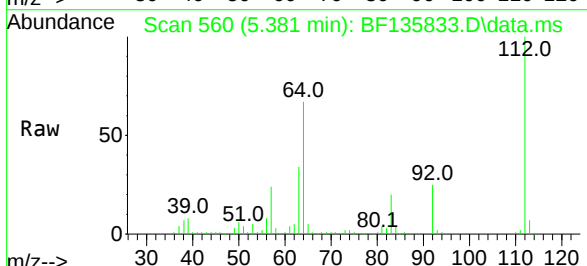
Tgt Ion:152 Resp: 78028
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 58.2 49.0 73.4

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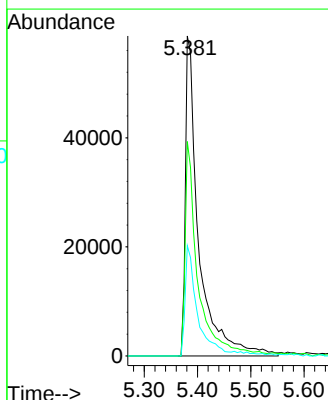
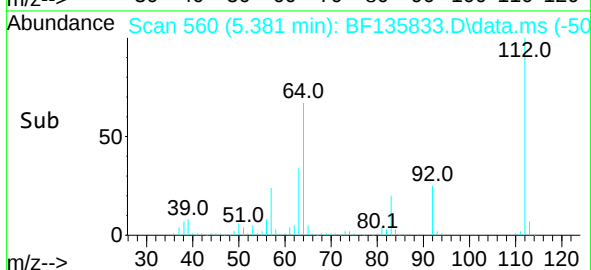
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

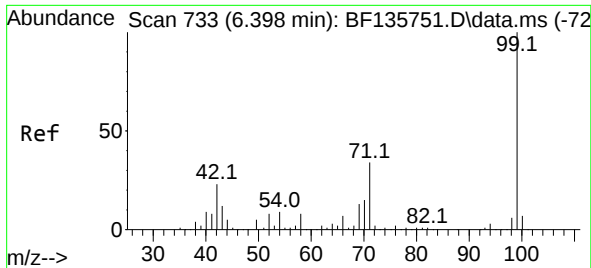


#5
2-Fluorophenol
Concen: 21.021 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07



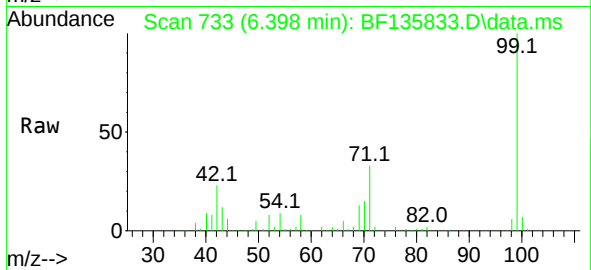
Tgt Ion:112 Resp: 102020
Ion Ratio Lower Upper
112 100
64 67.0 51.2 76.8
63 34.4 26.1 39.1





#7
Phenol-d6
Concen: 22.075 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

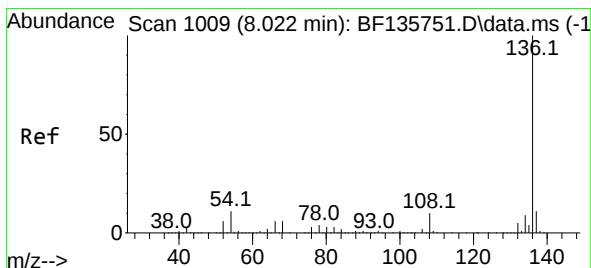
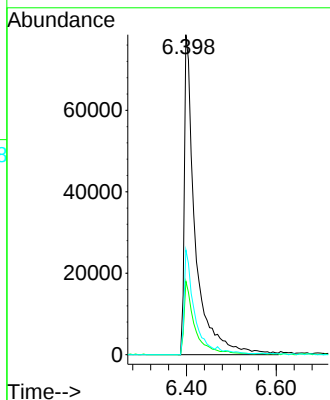
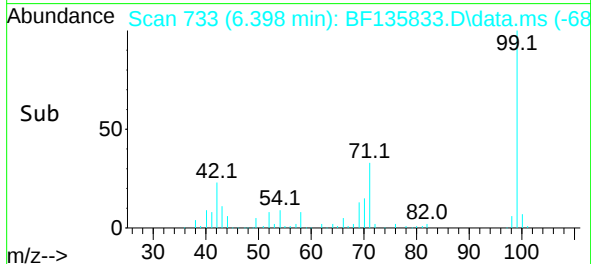
Instrument :
BNA_F
ClientSampleId :
72-11930DL



Tgt Ion: 99 Resp: 133674
Ion Ratio Lower Upper
99 100
42 22.9 18.4 27.6
71 32.7 27.2 40.8

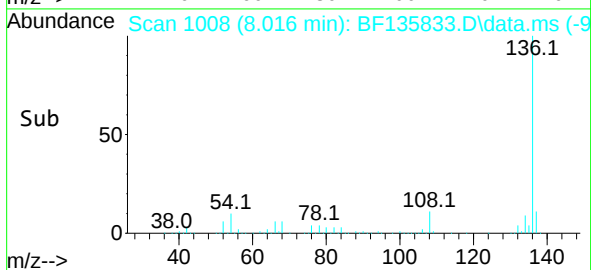
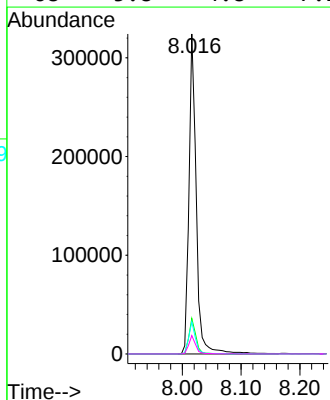
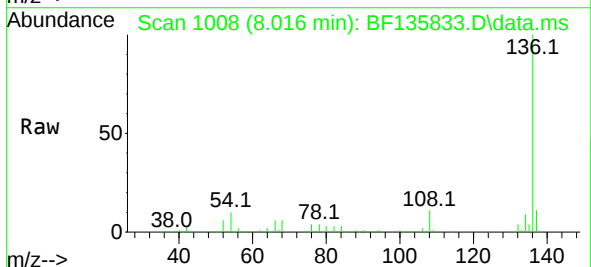
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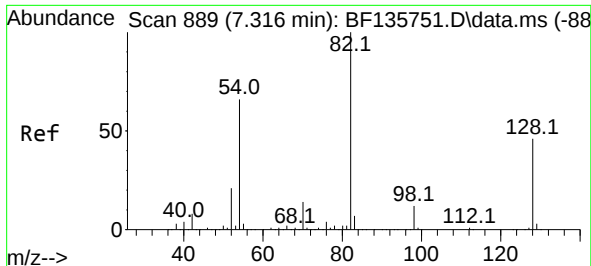
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion:136 Resp: 279333
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.1 8.5 12.7
68 5.8 4.8 7.2





#23

Nitrobenzene-d5

Concen: 14.821 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135833.D

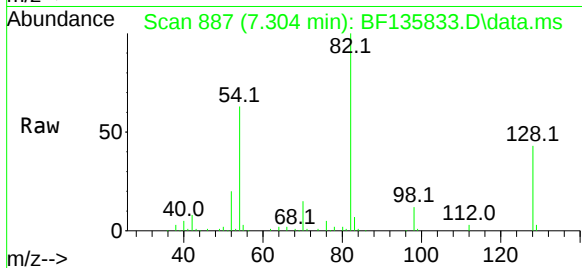
Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL



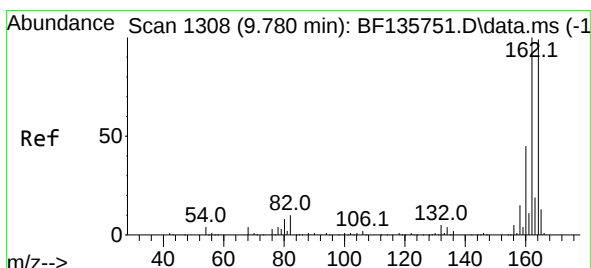
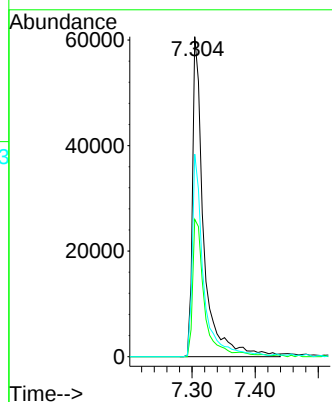
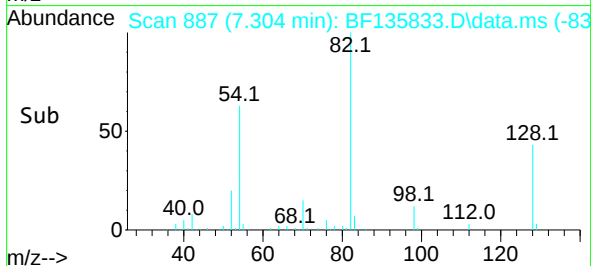
Tgt Ion: 82 Resp: 75274

Ion	Ratio	Lower	Upper
82	100		
128	42.9	37.0	55.6
54	63.3	52.8	79.2

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Supervised By :mohammad ahmed 10/18/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

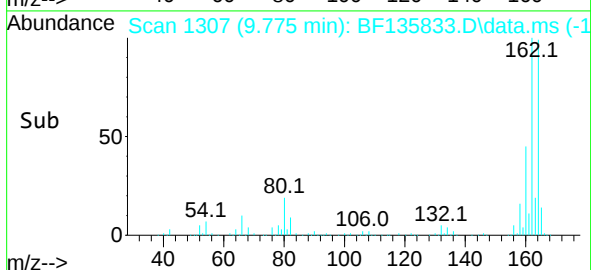
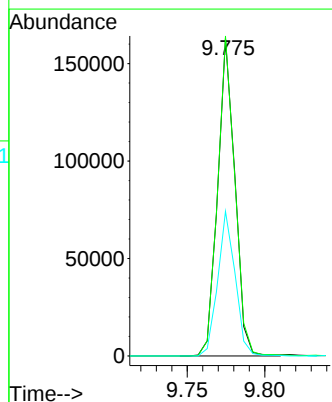
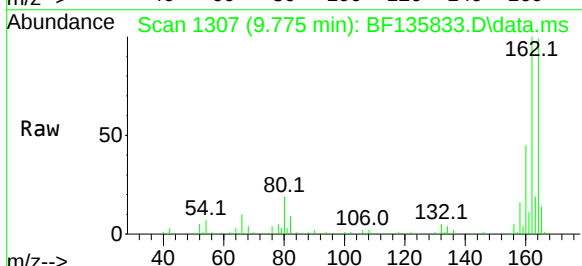
Delta R.T. -0.012 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Tgt Ion:164 Resp: 126045

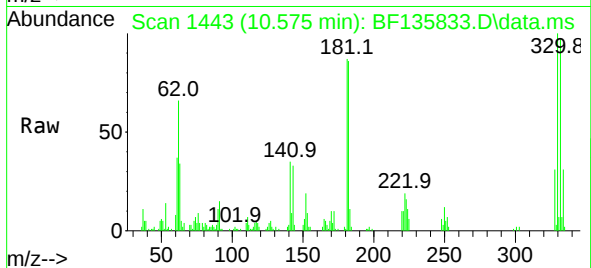
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.8	121.2
160	45.5	36.6	54.8





#42
2,4,6-Tribromophenol
Concen: 21.158 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

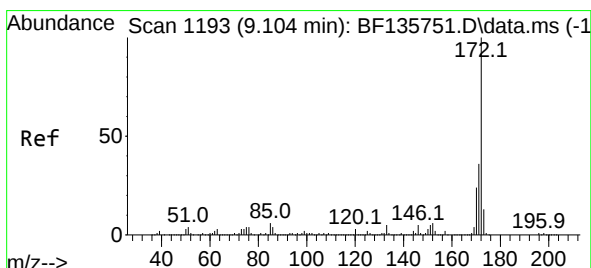
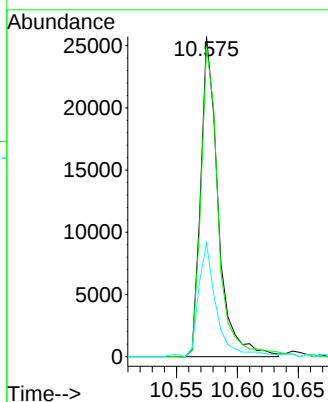
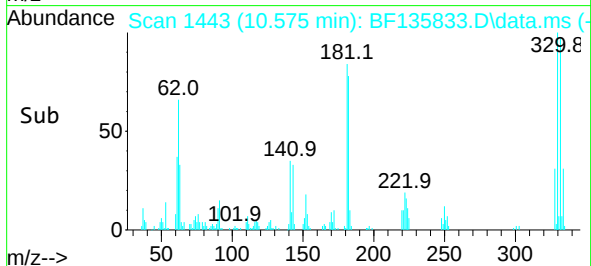
Instrument :
BNA_F
ClientSampleId :
72-11930DL



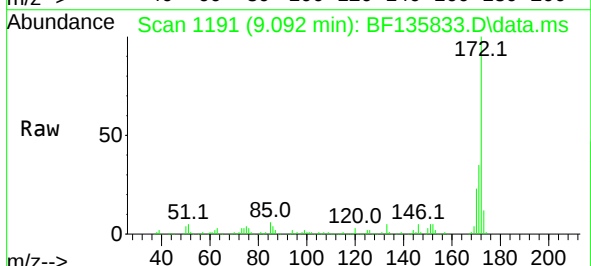
Tgt Ion: 330 Resp: 2559
Ion Ratio Lower Upper
330 100
332 97.0 75.0 112.4
141 37.2 25.8 38.6

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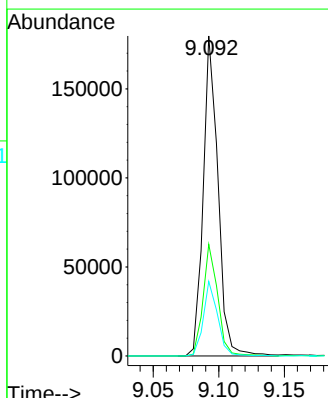
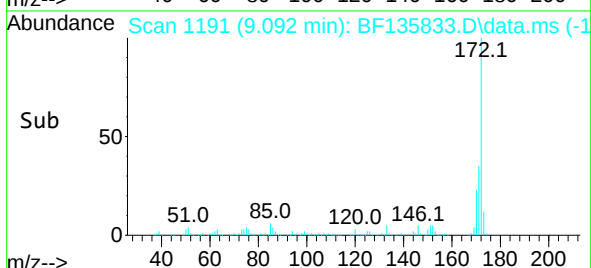
Reviewed By : Yogesh Patel 10/18/2023
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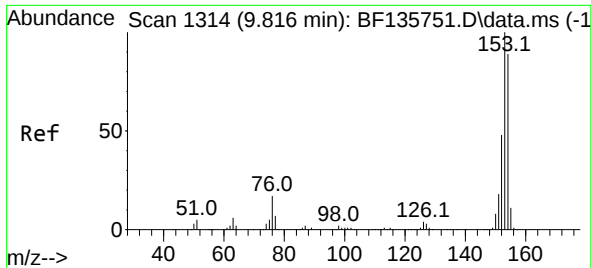


#45
2-Fluorobiphenyl
Concen: 17.560 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07



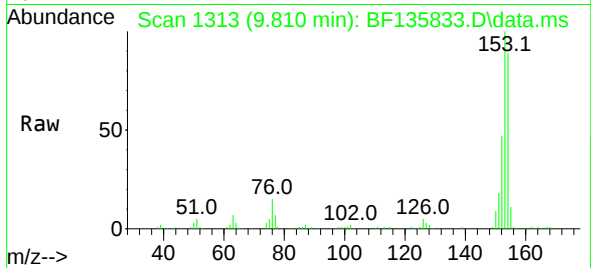
Tgt Ion: 172 Resp: 141559
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.3 18.8 28.2





#52
Acenaphthene
Concen: 9.307 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

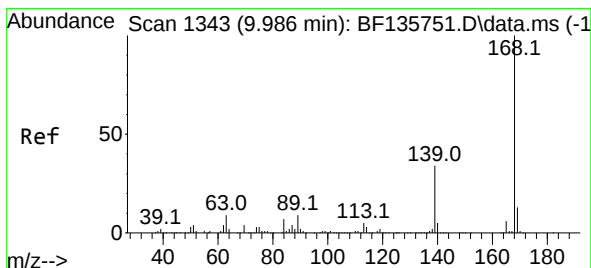
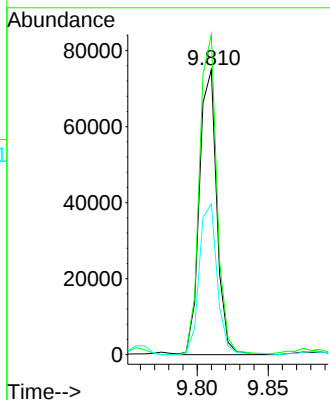
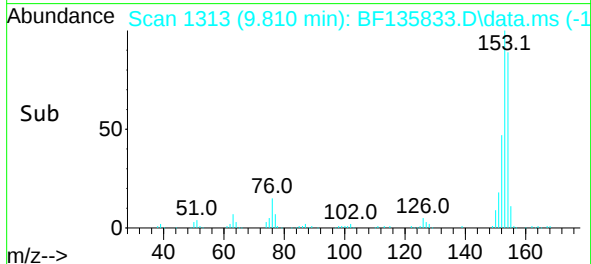
Instrument :
BNA_F
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72-11930DL



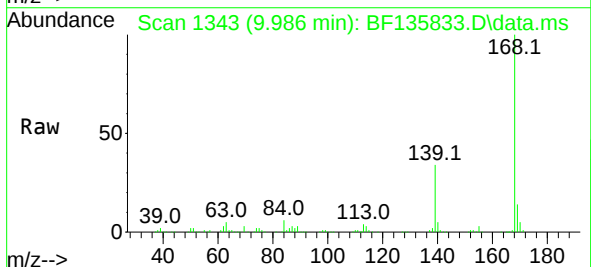
Tgt Ion:154 Resp: 64230
Ion Ratio Lower Upper
154 100
153 112.3 90.1 135.1
152 52.9 43.1 64.7

Manual Integrations
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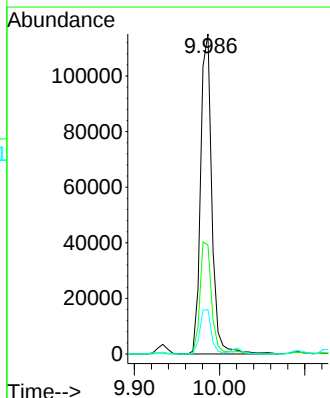
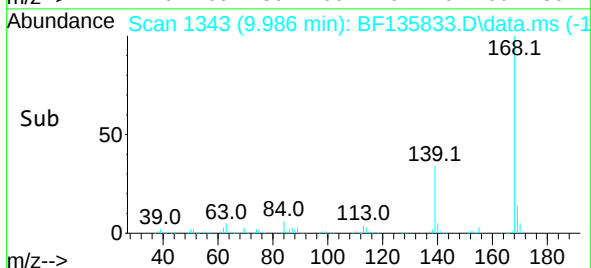
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

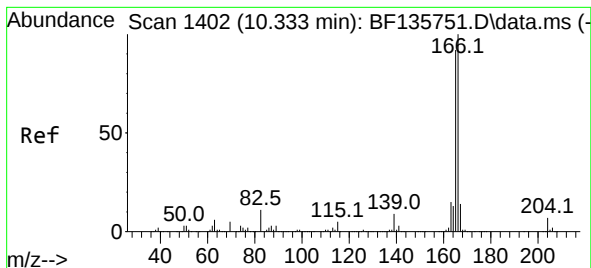


#55
Dibenzofuran
Concen: 10.143 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07



Tgt Ion:168 Resp: 105636
Ion Ratio Lower Upper
168 100
139 34.1 31.0 46.4
169 13.9 10.7 16.1





#58

Fluorene

Concen: 16.253 ng

RT: 10.328 min Scan# 1401

Delta R.T. -0.012 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL

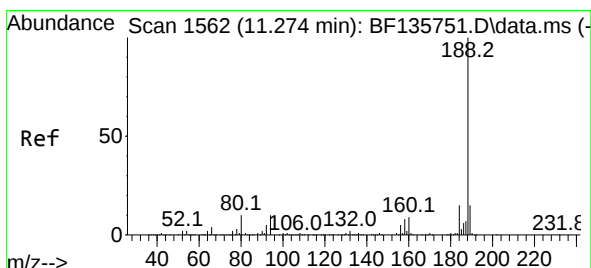
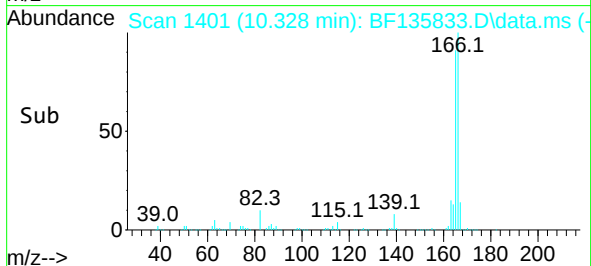
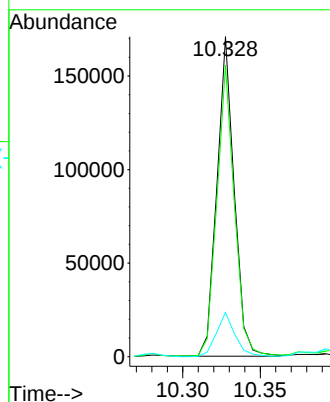
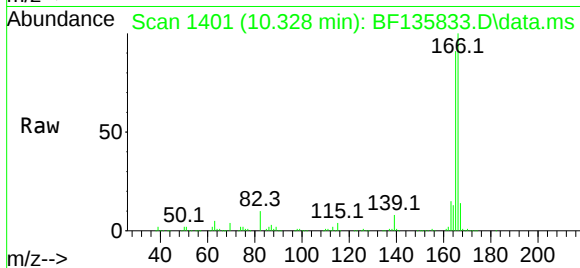
Tgt Ion:166 Resp: 132512
 Ion Ratio Lower Upper
 166 100
 165 91.1 73.4 110.0
 167 13.8 11.0 16.6

Manual Integrations

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Supervised By :mohammad ahmed 10/18/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

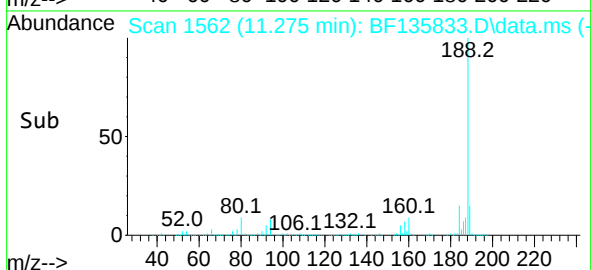
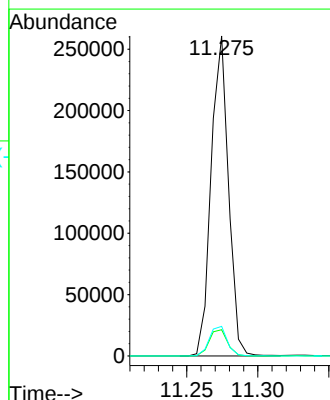
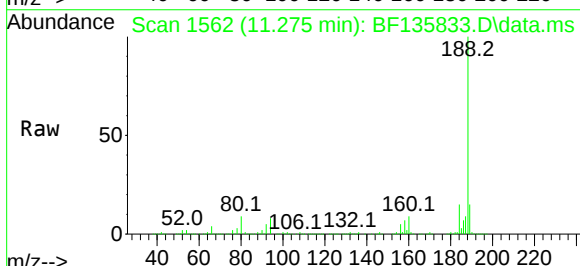
RT: 11.275 min Scan# 1562

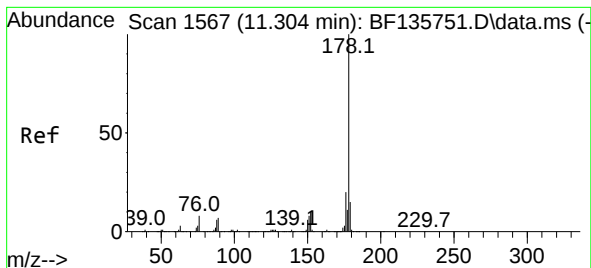
Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Tgt Ion:188 Resp: 221334
 Ion Ratio Lower Upper
 188 100
 94 8.2 8.0 12.0
 80 9.3 8.3 12.5





#71

Phenanthrene

Concen: 54.066 ng

RT: 11.298 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

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Tgt Ion:178 Resp: 57326

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

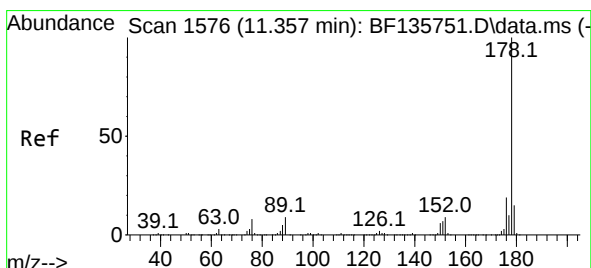
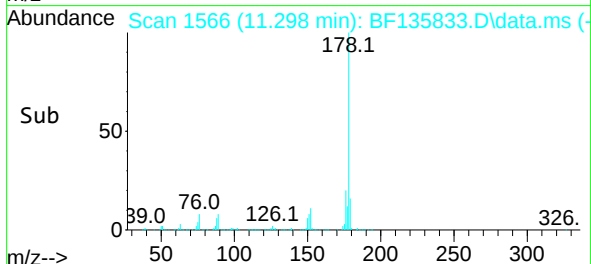
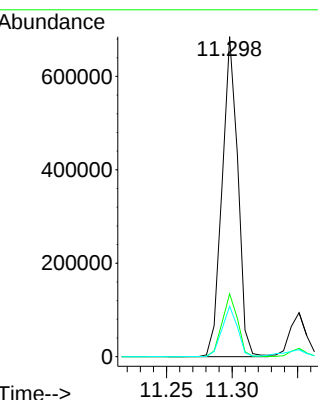
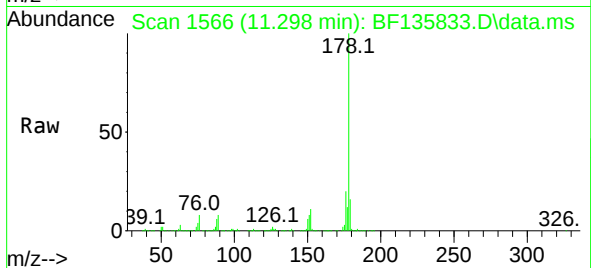
179 15.7 12.2 18.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#72

Anthracene

Concen: 7.162 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

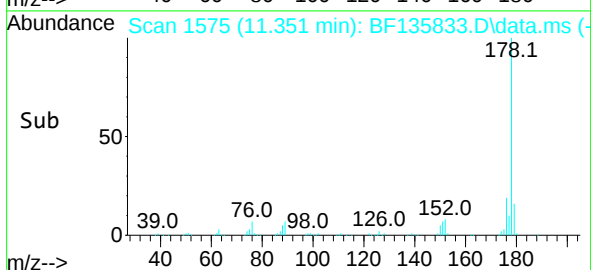
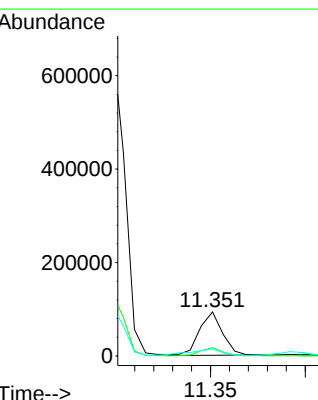
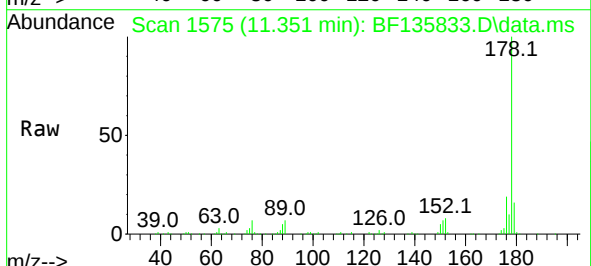
Tgt Ion:178 Resp: 78689

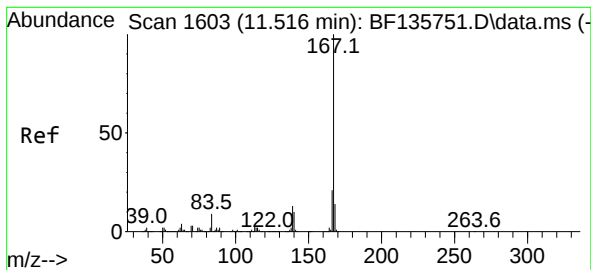
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.9 12.3 18.5





#73

Carbazole

Concen: 3.429 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL

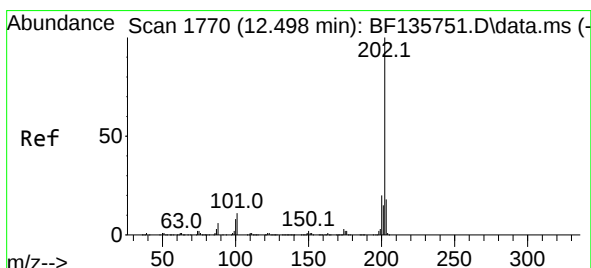
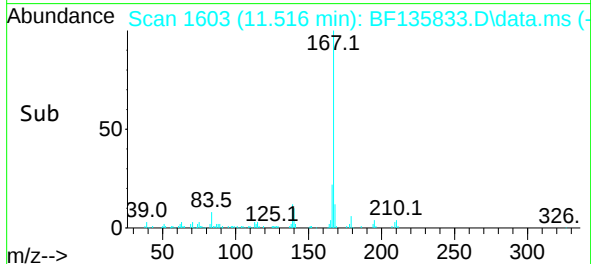
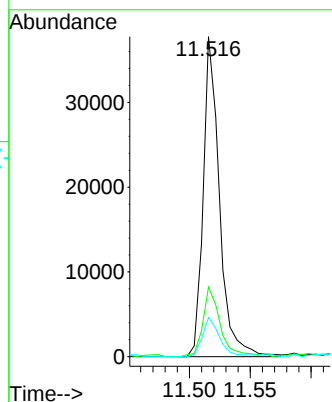
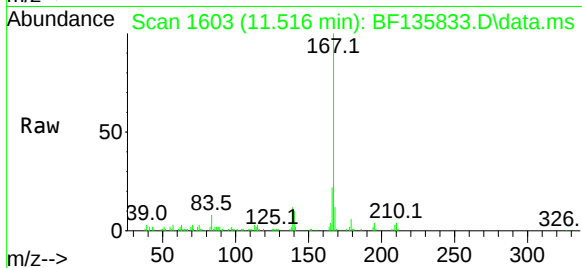
Tgt Ion:167	Resp:	35139
Ion Ratio	Lower	Upper
167	100	
166	21.7	17.1 25.7
139	12.3	10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#75

Fluoranthene

Concen: 38.684 ng

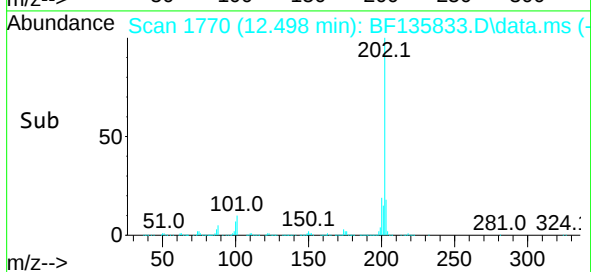
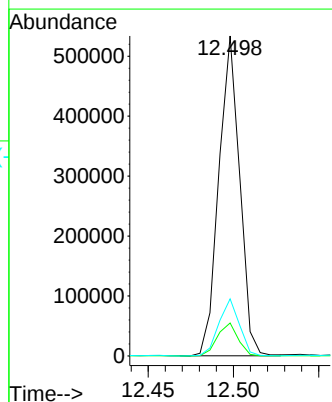
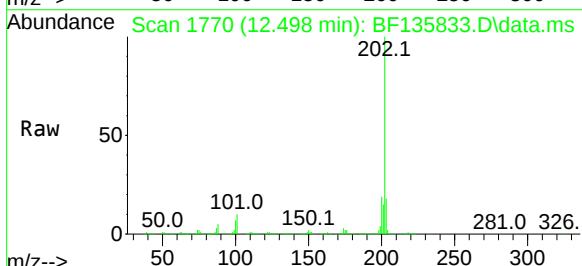
RT: 12.498 min Scan# 1770

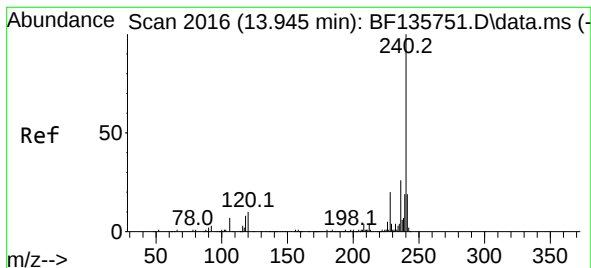
Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Tgt Ion:202	Resp:	455231
Ion Ratio	Lower	Upper
202	100	
101	10.3	0.0 31.5
203	17.9	0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

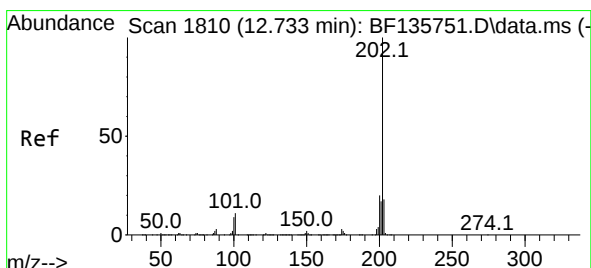
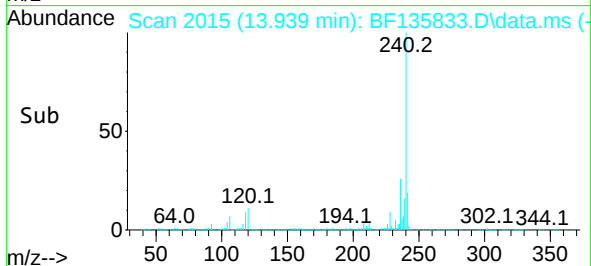
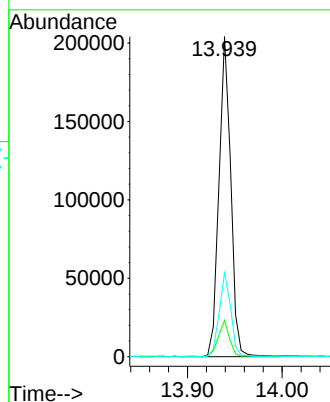
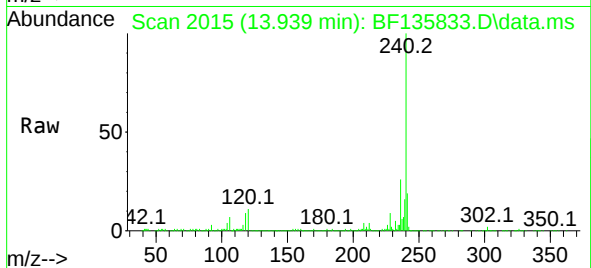
72-11930DL

Tgt Ion:240 Resp: 176230
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.2 12.2
 236 26.2 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023



#78

Pyrene

Concen: 22.748 ng

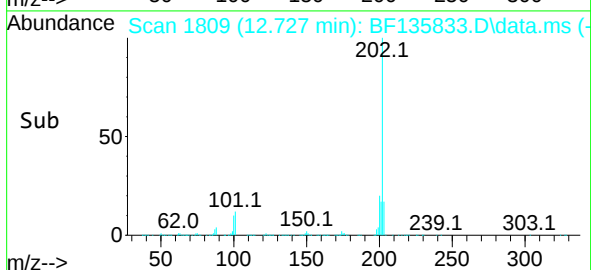
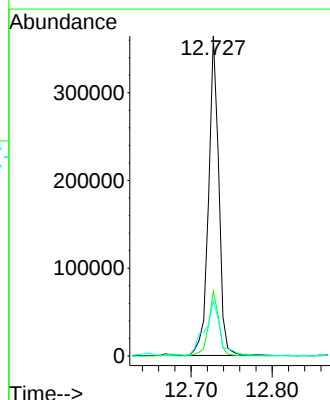
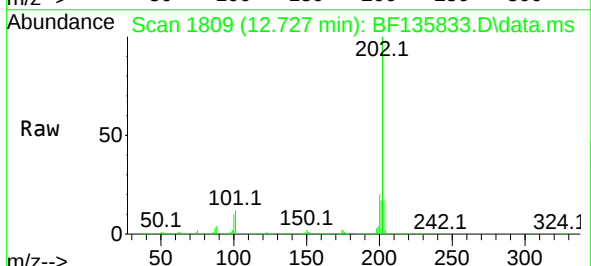
RT: 12.727 min Scan# 1809

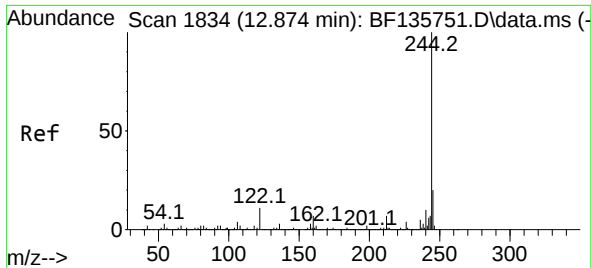
Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Tgt Ion:202 Resp: 318570
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.1 24.1
 203 17.3 14.2 21.2





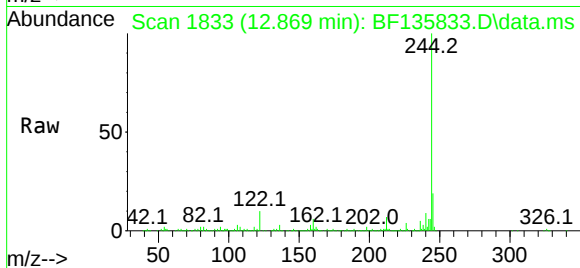
#79
 Terphenyl-d14
 Concen: 14.024 ng
 RT: 12.869 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135833.D
 Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL

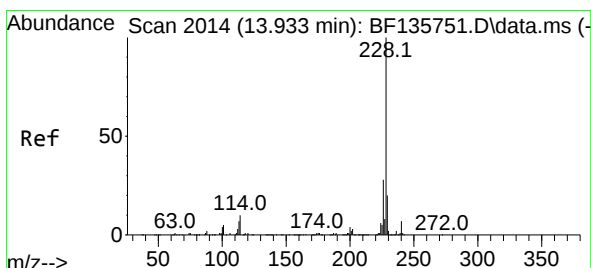
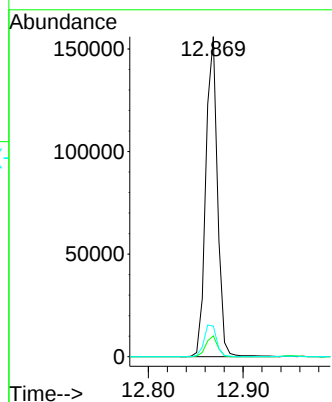
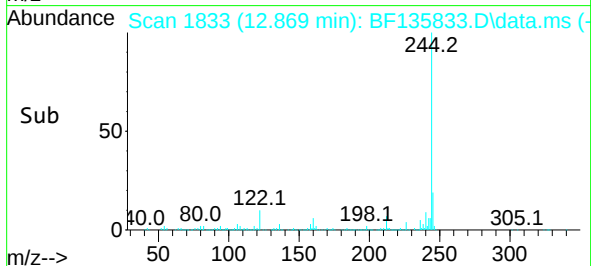


Tgt Ion:244 Resp: 133450
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 9.6 9.0 13.6

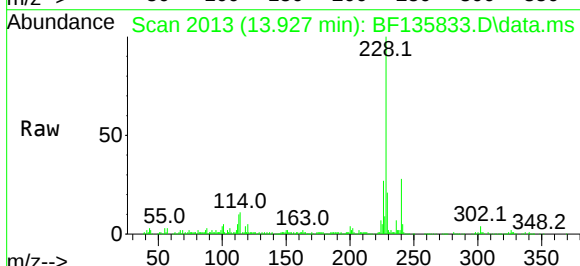
Manual Integrations

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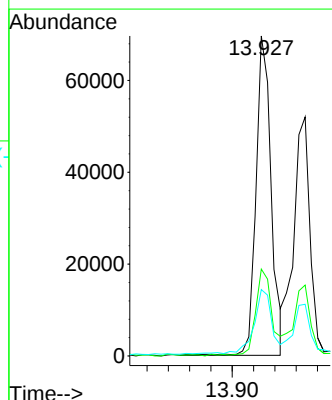
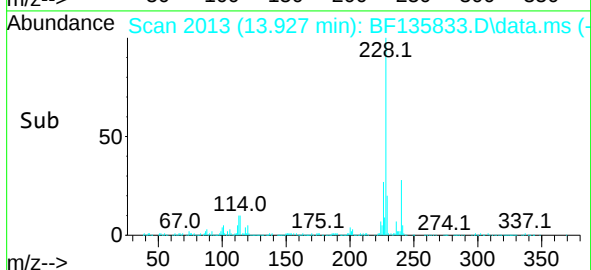
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

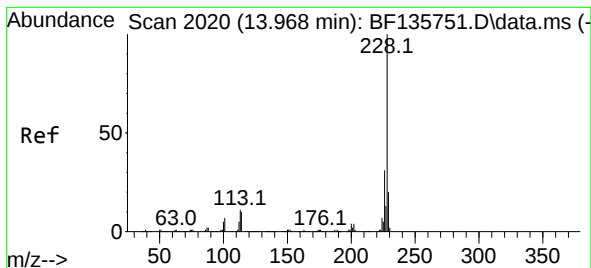


#81
 Benzo(a)anthracene
 Concen: 5.932 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135833.D
 Acq: 18 Oct 2023 02:07



Tgt Ion:228 Resp: 68666
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.2 33.2
 229 20.7 16.1 24.1





#83

Chrysene

Concen: 4.995 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL

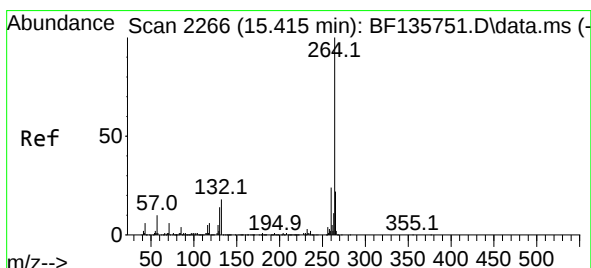
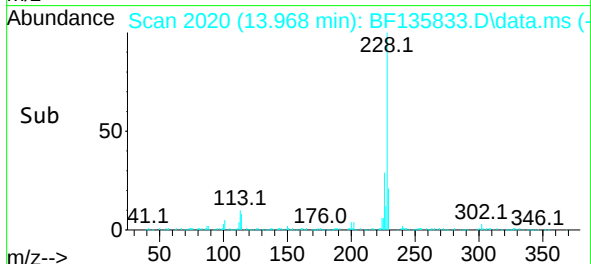
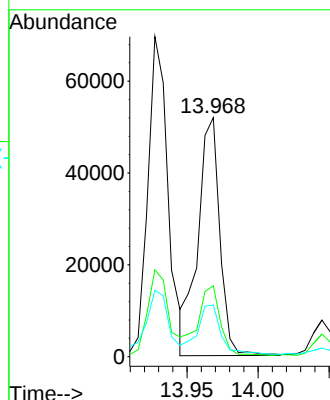
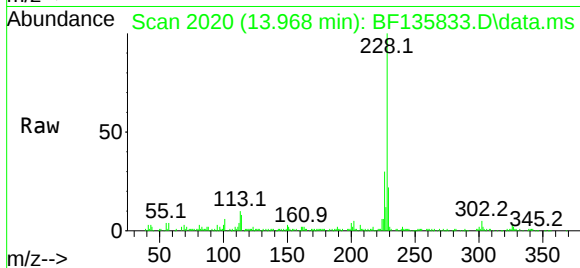
Tgt Ion:228	Resp:	55998
Ion Ratio	Lower	Upper
228	100	
226	29.7	24.4 36.6
229	21.6	15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#86

Perylene-d12

Concen: 20.000 ng

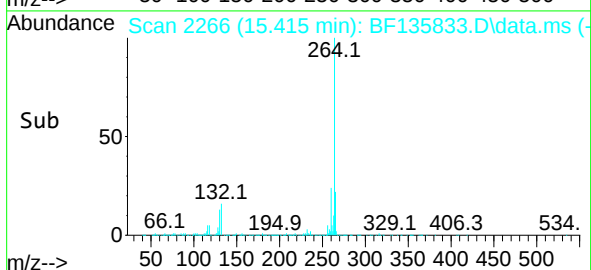
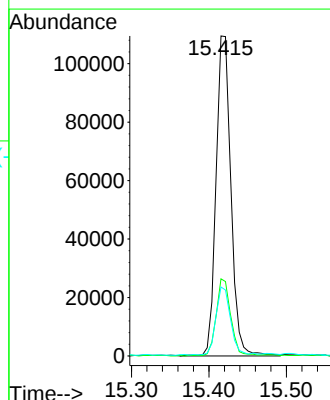
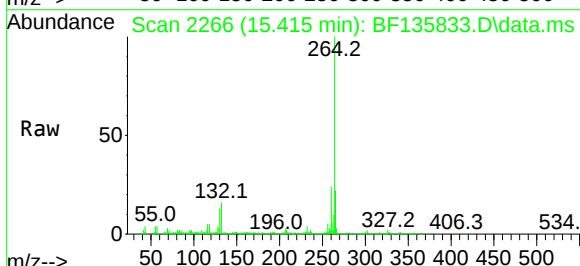
RT: 15.415 min Scan# 2266

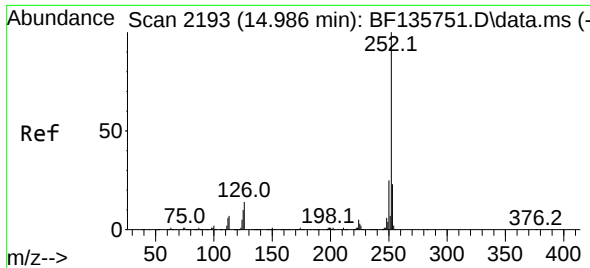
Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

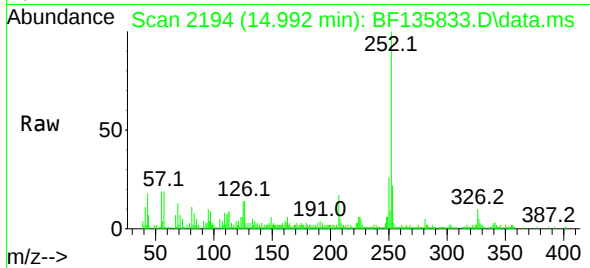
Tgt Ion:264	Resp:	146239
Ion Ratio	Lower	Upper
264	100	
260	24.1	19.2 28.8
265	21.5	17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 3.382 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

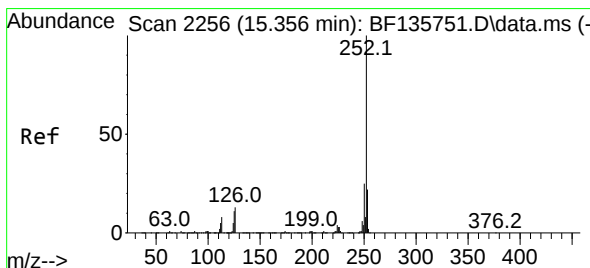
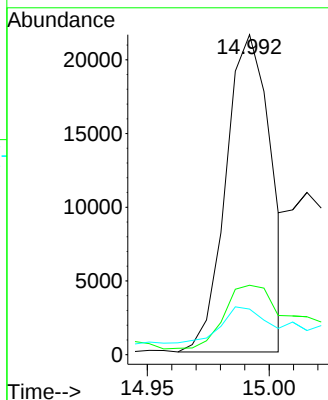
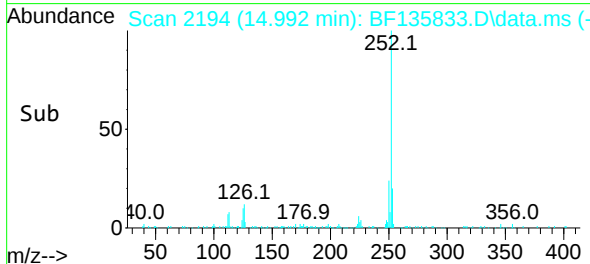
Instrument :
BNA_F
ClientSampleId :
72-11930DL



Tgt Ion:252 Resp: 27678
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 14.3 8.2 12.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#90
Benzo(a)pyrene
Concen: 2.083 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion:252 Resp: 16033
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 16.1 8.8 13.2

