

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135901.D
 Acq On : 19 Oct 2023 22:54
 Operator : CG\JU
 Sample : 04685-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B4A-7.5-15

Manual Integrations
 APPROVED

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

Quant Time: Oct 20 02:06:41 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	41929	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	83318	20.000	ng	# 0.00
39) Acenaphthene-d10	9.798	164	71835	20.000	ng	0.01
64) Phenanthrene-d10	11.298	188	107280	20.000	ng	# 0.02
76) Chrysene-d12	13.939	240	92208	20.000	ng	#-0.01
86) Perylene-d12	15.410	264	74795	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	267905	102.727	ng	0.00
7) Phenol-d6	6.393	99	318479	97.874	ng	0.00
23) Nitrobenzene-d5	7.310	82	188689	124.556	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	56757	82.338	ng	0.02
45) 2-Fluorobiphenyl	9.110	172	295021	64.212	ng	0.00
79) Terphenyl-d14	12.880	244	306182	61.494	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.051	128	798932	196.592	ng	# 92
37) 2-Methylnaphthalene	8.769	142	1828027	682.735	ng	100
38) 1-Methylnaphthalene	8.857	142	1041025	421.545	ng	98
46) 1,1'-Biphenyl	9.216	154	184484	33.526	ng	98
52) Acenaphthene	9.833	154	77545	19.713	ng	# 75
58) Fluorene	10.357	166	214234	46.105	ng	# 92
71) Phenanthrene	11.328	178	609644	118.626	ng	96
72) Anthracene	11.380	178	32690m	6.138	ng	
75) Fluoranthene	12.516	202	24939	4.372	ng	65
78) Pyrene	12.745	202	83923	11.453	ng	# 90

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

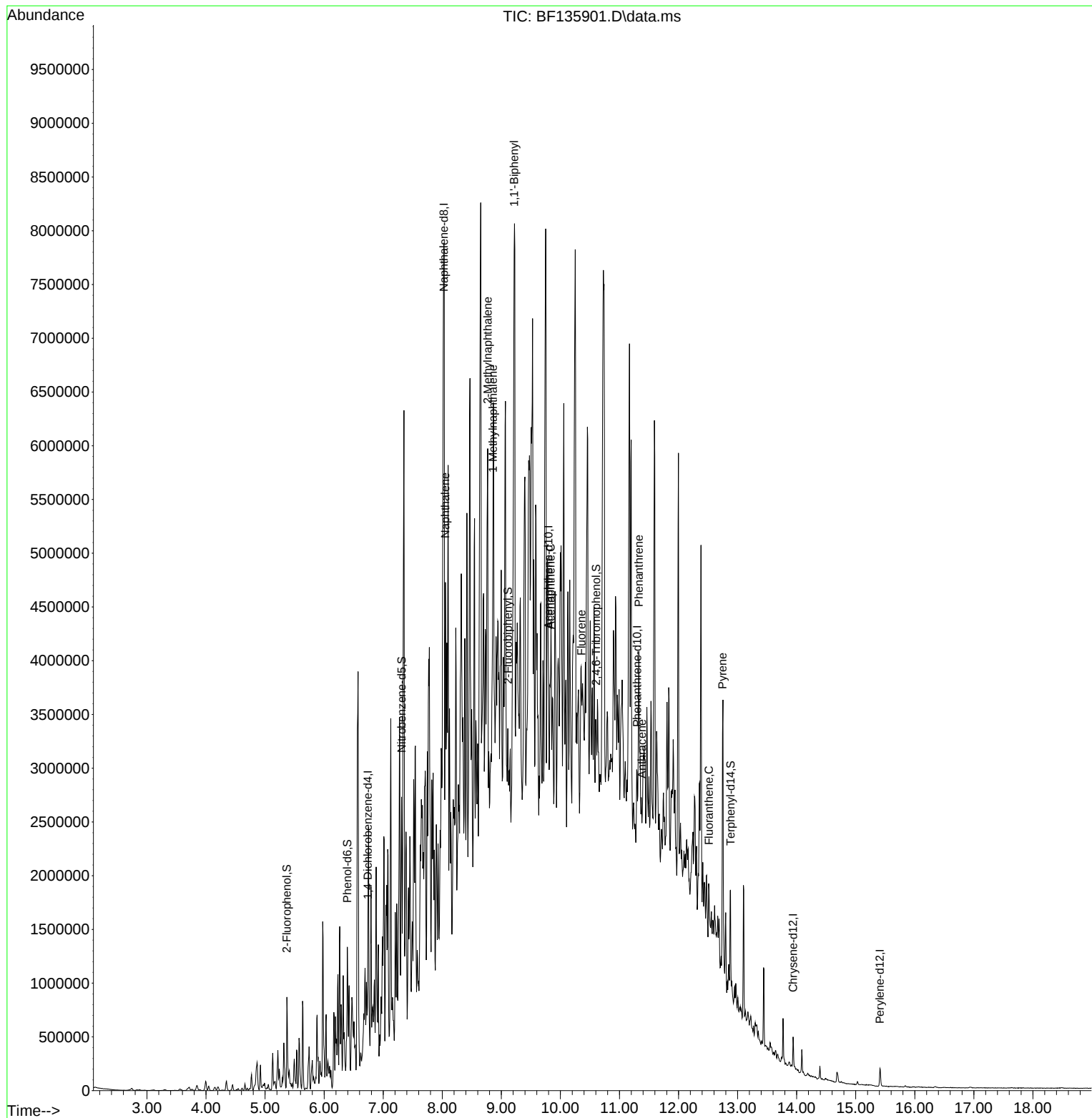
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135901.D
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ALS Vial : 23 Sample Multiplier: 1

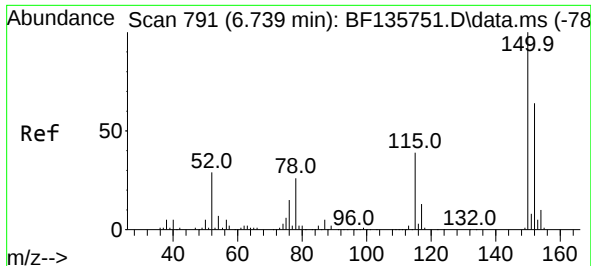
Instrument :
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PP-20230928-B4A-7.5-15

Quant Time: Oct 20 02:06:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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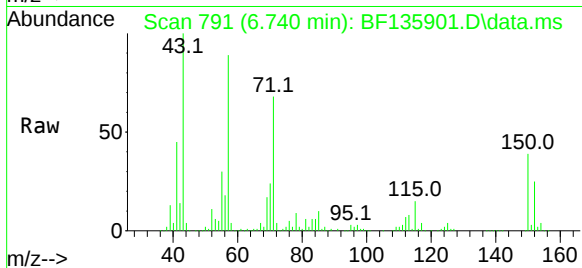
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

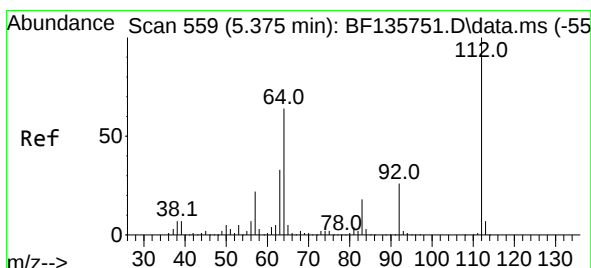
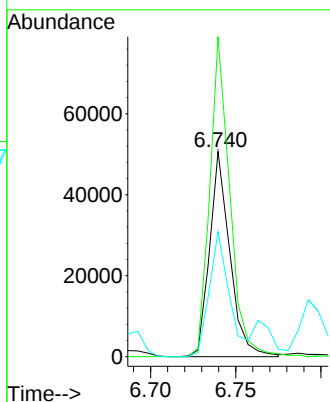
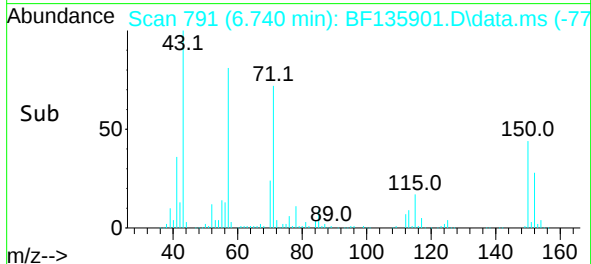
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15



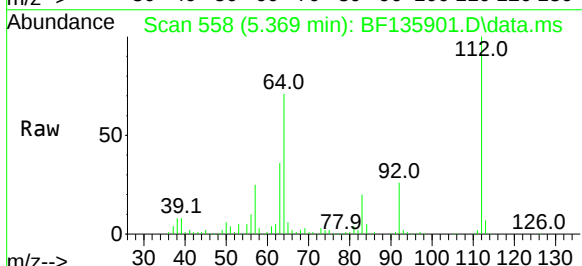
Tgt Ion:152 Resp: 41929
Ion Ratio Lower Upper
152 100
150 156.0 124.5 186.7
115 60.9 49.0 73.4

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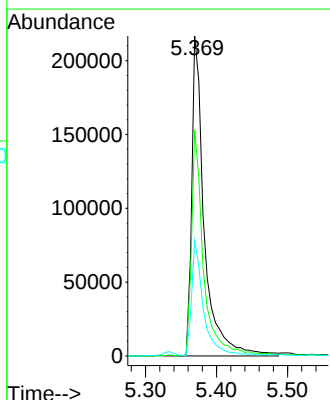
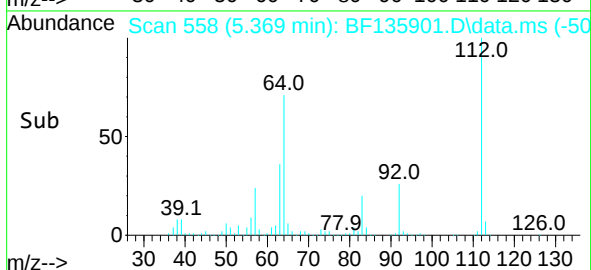
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

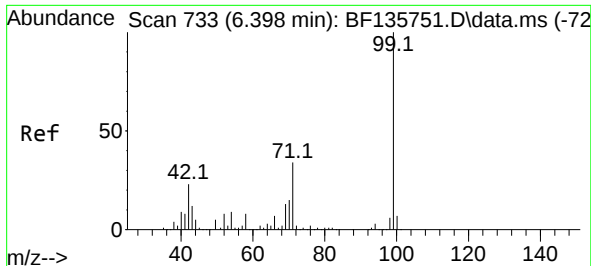


#5
2-Fluorophenol
Concen: 102.727 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54



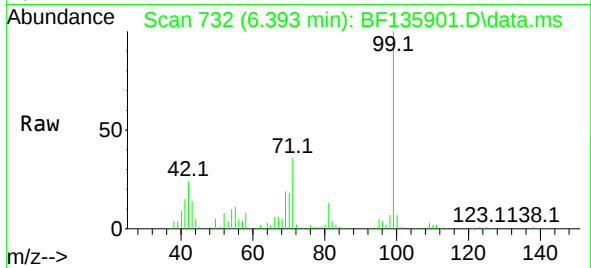
Tgt Ion:112 Resp: 267905
Ion Ratio Lower Upper
112 100
64 70.5 51.2 76.8
63 36.1 26.1 39.1





#7
Phenol-d6
Concen: 97.874 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

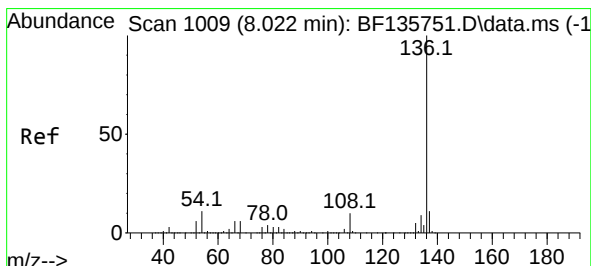
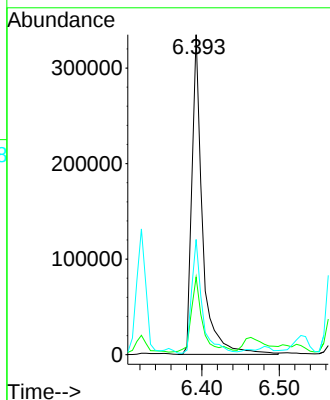
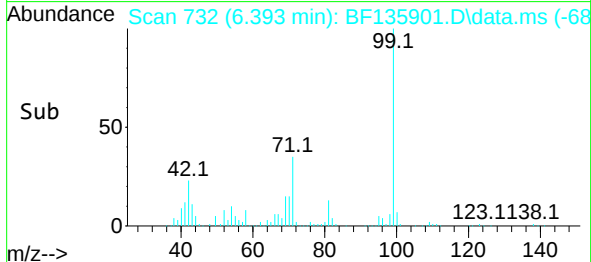
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15



Tgt Ion: 99 Resp: 318479
Ion Ratio Lower Upper
99 100
42 24.3 18.4 27.6
71 36.0 27.2 40.8

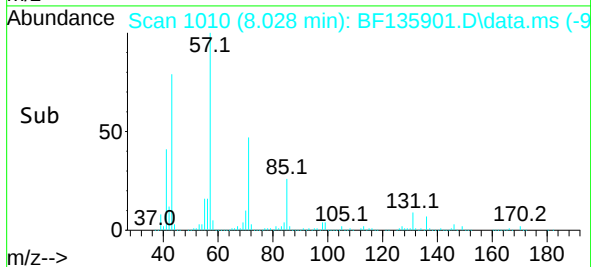
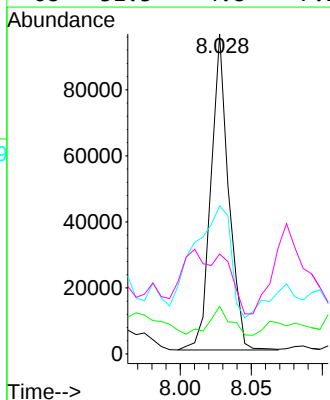
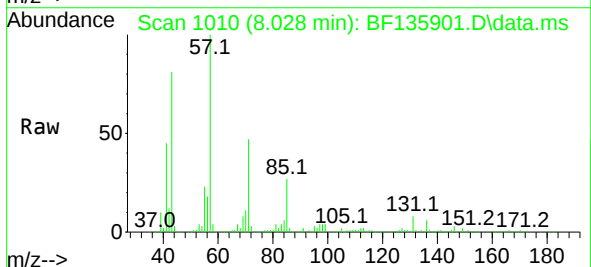
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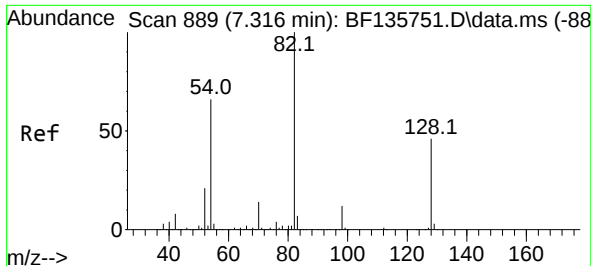
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

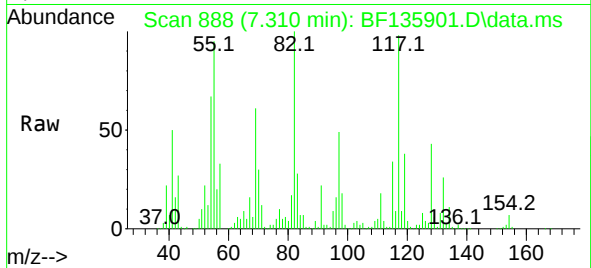
Tgt Ion:136 Resp: 83318
Ion Ratio Lower Upper
136 100
137 14.9 8.6 12.8#
54 46.3 8.5 12.7#
68 31.3 4.8 7.2#





#23
Nitrobenzene-d5
Concen: 124.556 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

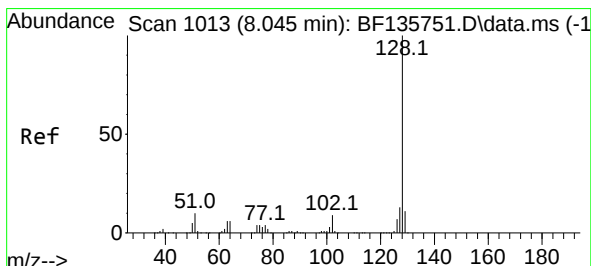
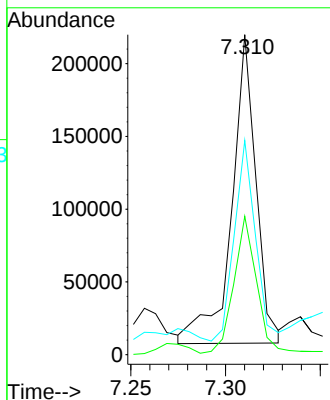
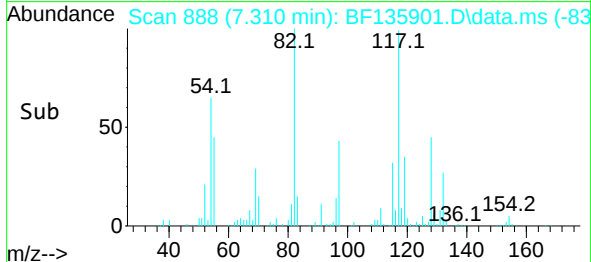
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15



Tgt Ion: 82 Resp: 188689
Ion Ratio Lower Upper
82 100
128 43.2 37.0 55.6
54 67.0 52.8 79.2

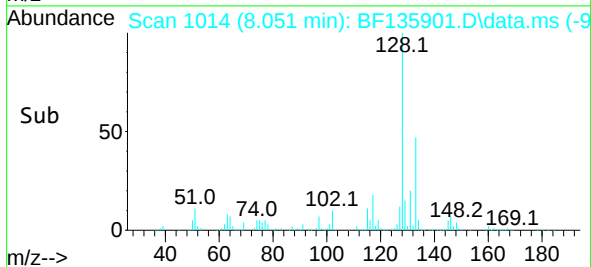
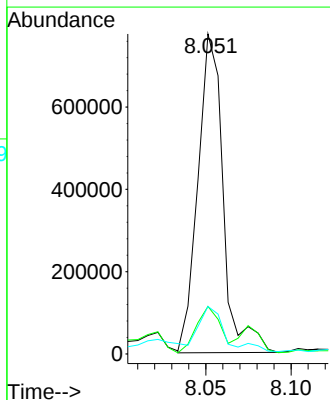
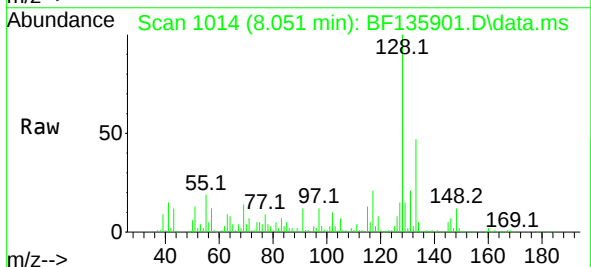
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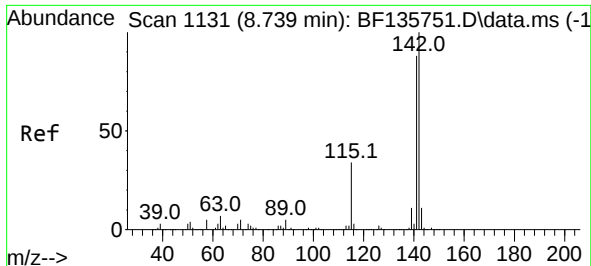
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#31
Naphthalene
Concen: 196.592 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:128 Resp: 798932
Ion Ratio Lower Upper
128 100
129 14.9 8.7 13.1#
127 14.9 10.2 15.4





#37

2-Methylnaphthalene

Concen: 682.735 ng

RT: 8.769 min Scan# 1131

Delta R.T. 0.029 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

Tgt Ion:142 Resp: 182802

Ion Ratio Lower Upper

142 100

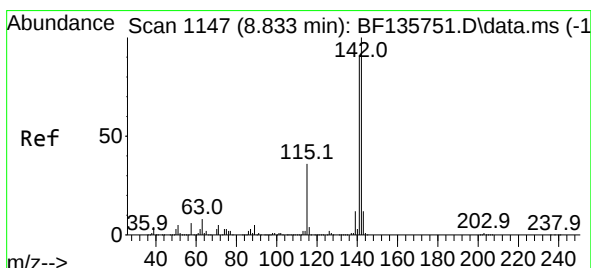
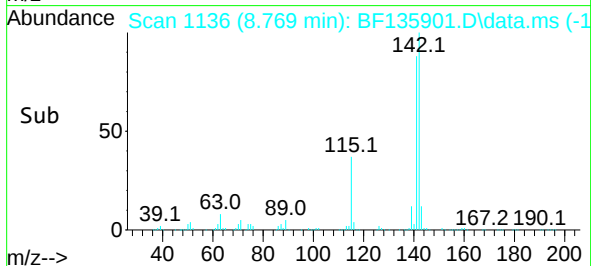
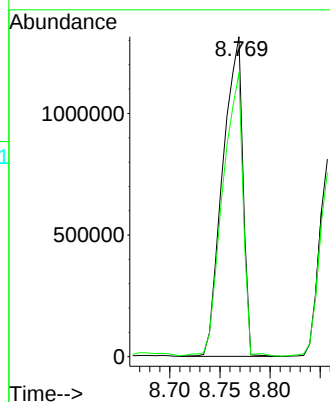
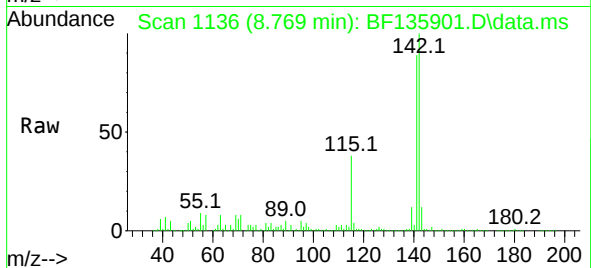
141 88.5 70.6 105.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



#38

1-Methylnaphthalene

Concen: 421.545 ng

RT: 8.857 min Scan# 1151

Delta R.T. 0.018 min

Lab File: BF135901.D

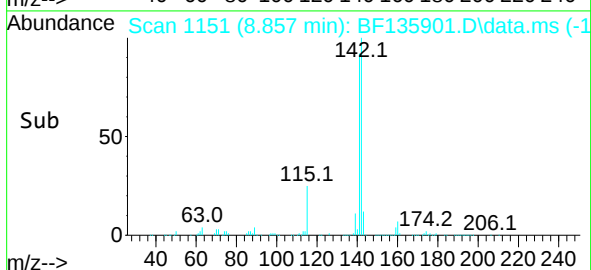
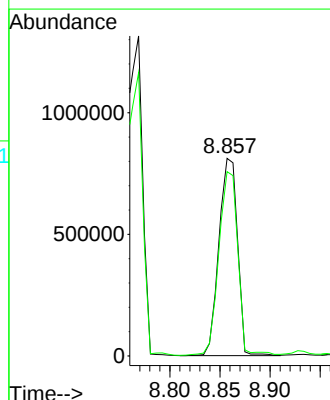
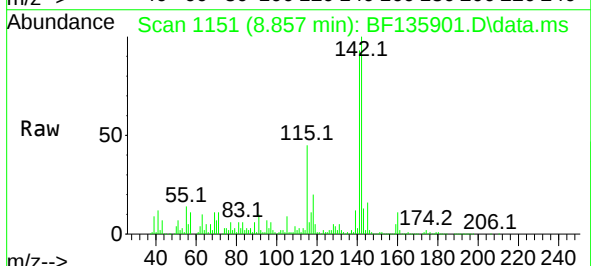
Acq: 19 Oct 2023 22:54

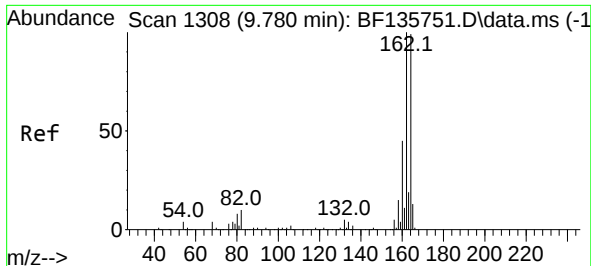
Tgt Ion:142 Resp: 1041025

Ion Ratio Lower Upper

142 100

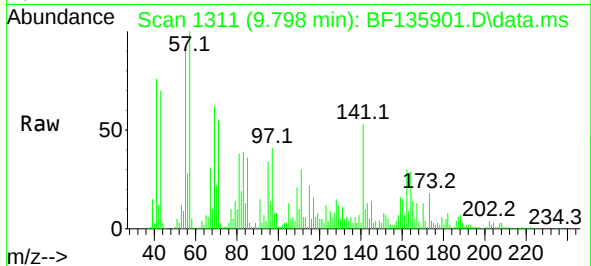
141 93.2 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.012 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

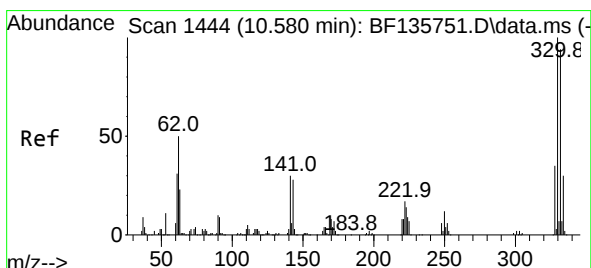
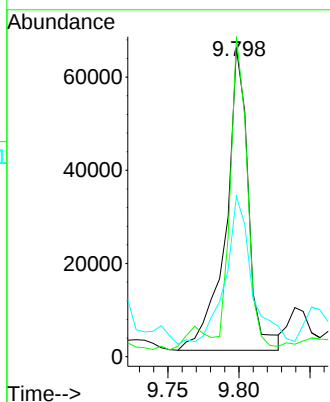
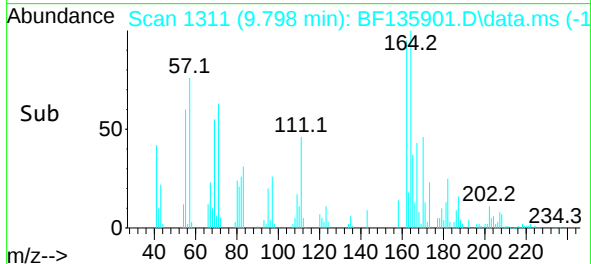
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15



Tgt Ion:164 Resp: 71835
Ion Ratio Lower Upper
164 100
162 103.7 80.8 121.2
160 52.0 36.6 54.8

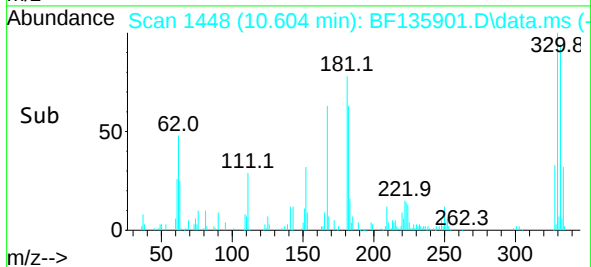
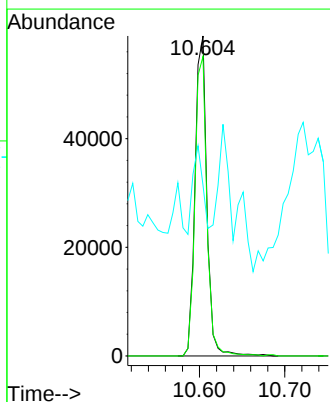
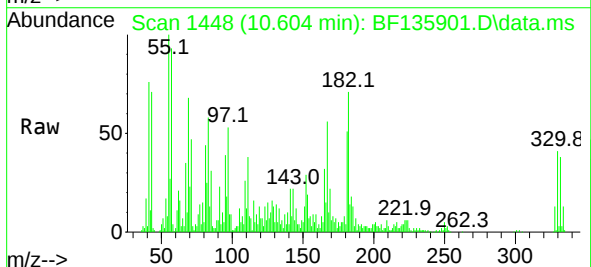
Manual Integrations
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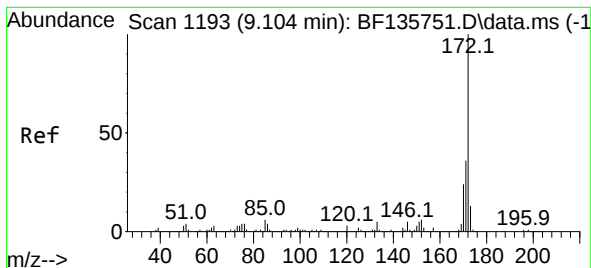
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#42
2,4,6-Tribromophenol
Concen: 82.338 ng
RT: 10.604 min Scan# 1448
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:330 Resp: 56757
Ion Ratio Lower Upper
330 100
332 94.8 75.0 112.4
141 23.3 25.8 38.6#





#45

2-Fluorobiphenyl

Concen: 64.212 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.006 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

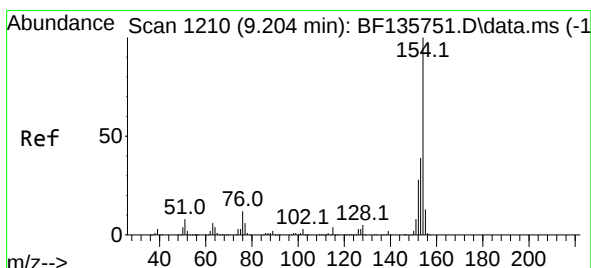
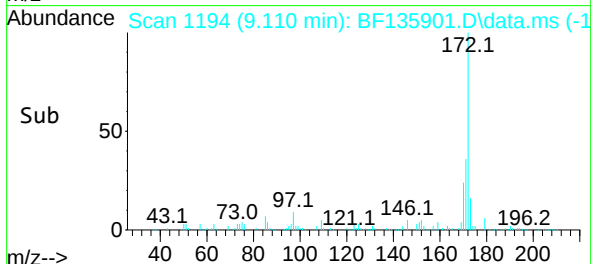
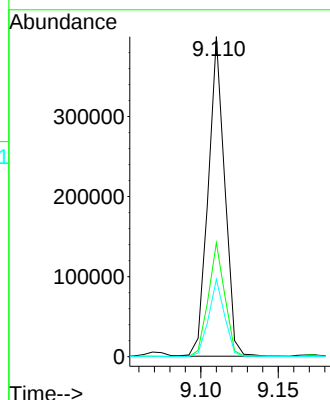
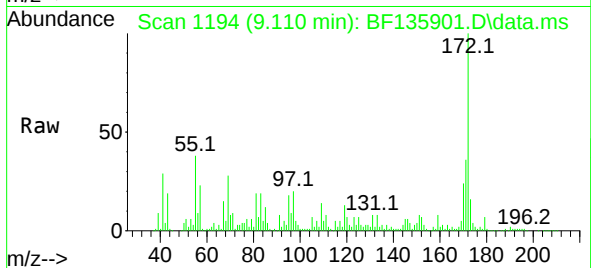
PP-20230928-B4A-7.5-15

Tgt Ion:172 Resp: 29502

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.4	42.6
170	24.2	18.8	28.2

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



#46

1,1'-Biphenyl

Concen: 33.526 ng

RT: 9.216 min Scan# 1212

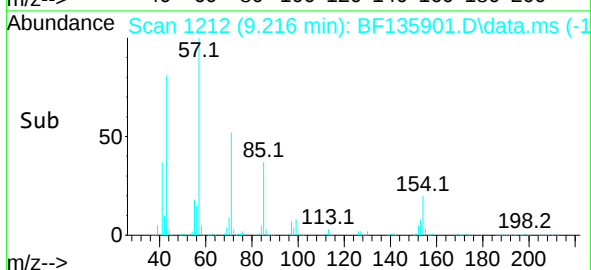
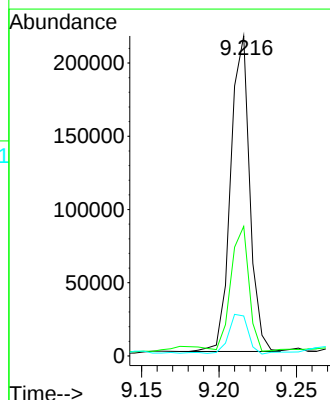
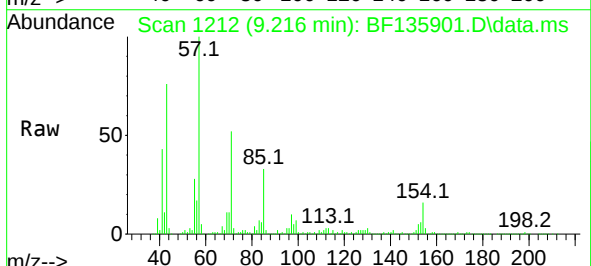
Delta R.T. 0.012 min

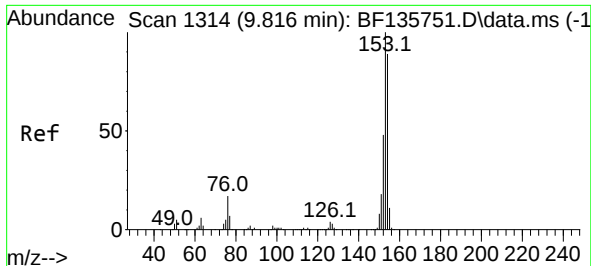
Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Tgt Ion:154 Resp: 184484

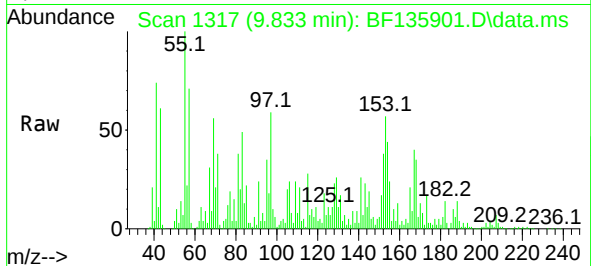
Ion	Ratio	Lower	Upper
154	100		
153	40.5	19.4	59.4
76	12.5	0.0	31.7





#52
Acenaphthene
Concen: 19.713 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

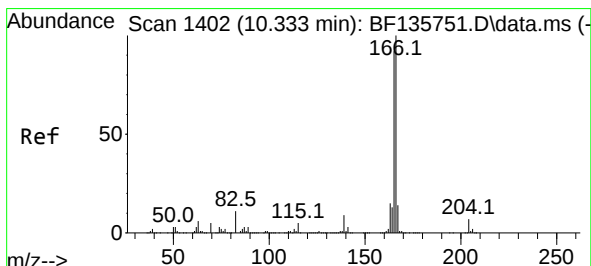
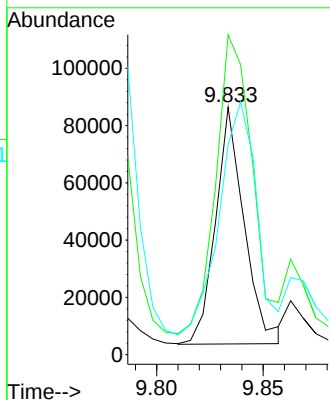
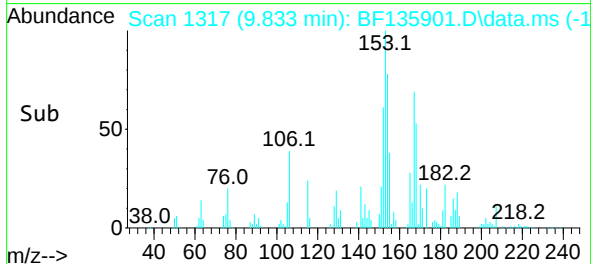
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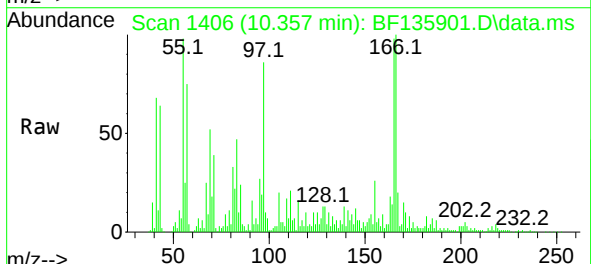
Tgt Ion:154 Resp: 7754
Ion Ratio Lower Upper
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153 129.3 90.1 135.1
152 85.0 43.1 64.7

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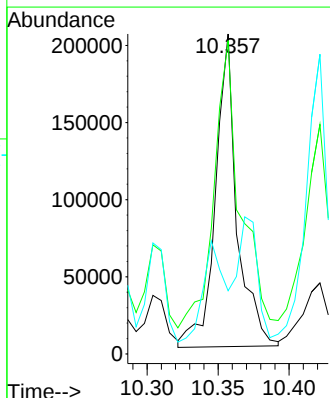
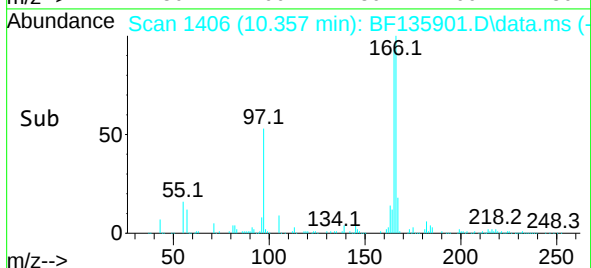
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

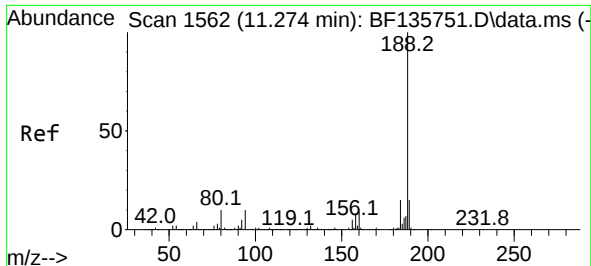


#58
Fluorene
Concen: 46.105 ng
RT: 10.357 min Scan# 1406
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54



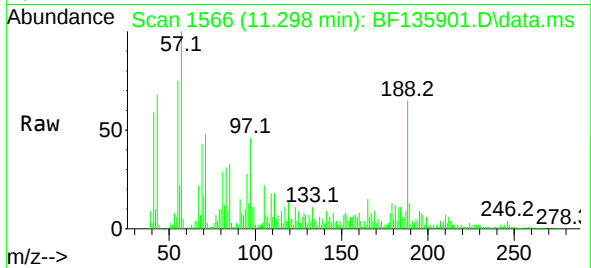
Tgt Ion:166 Resp: 214234
Ion Ratio Lower Upper
166 100
165 97.9 73.4 110.0
167 19.8 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.018 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

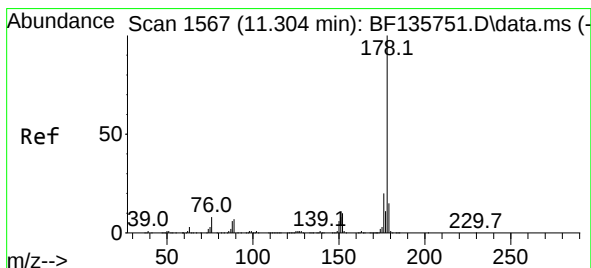
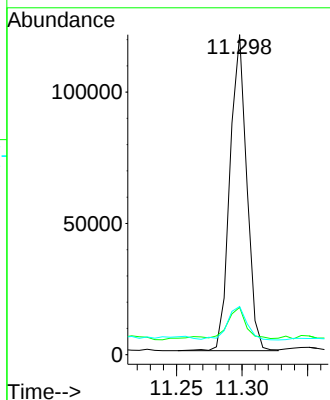
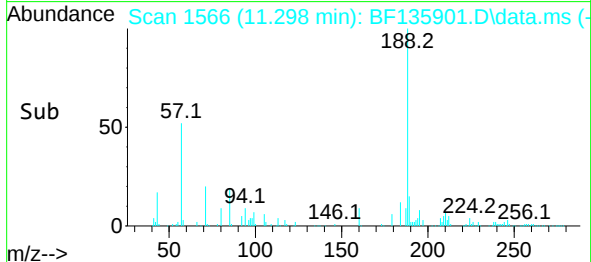
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15



Tgt Ion:188 Resp: 107280
Ion Ratio Lower Upper
188 100
94 14.8 8.0 12.0
80 15.0 8.3 12.5

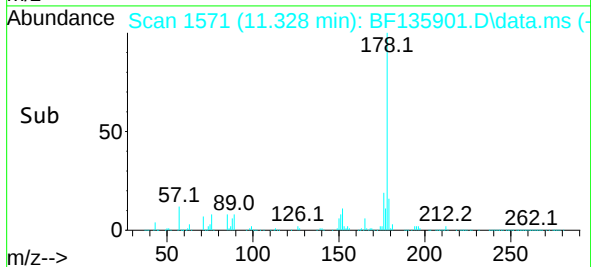
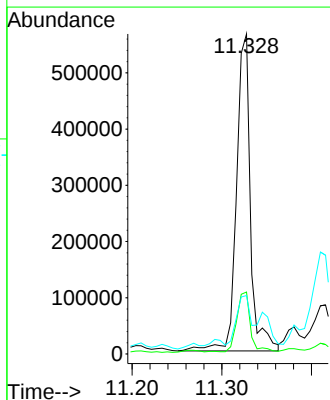
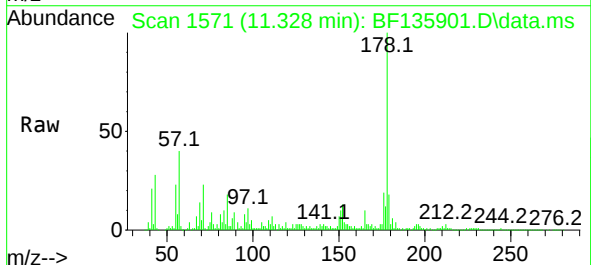
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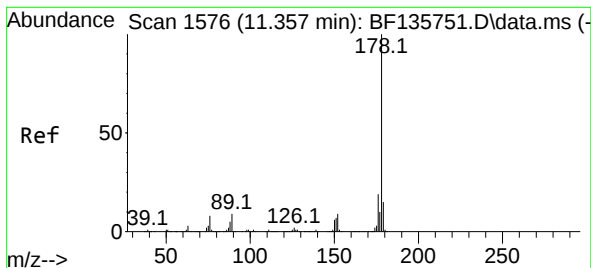
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#71
Phenanthrene
Concen: 118.626 ng
RT: 11.328 min Scan# 1571
Delta R.T. 0.023 min
Lab File: BF135901.D
Acq: 19 Oct 2023 22:54

Tgt Ion:178 Resp: 609644
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 18.2 12.2 18.4





#72

Anthracene

Concen: 6.138 ng m

RT: 11.380 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15

Tgt Ion:178 Resp: 32690

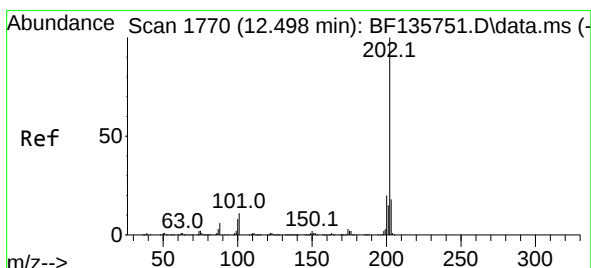
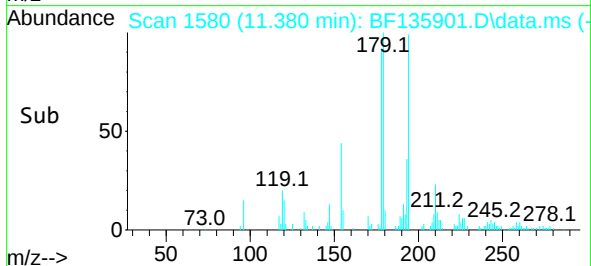
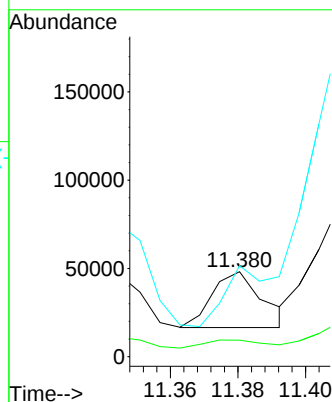
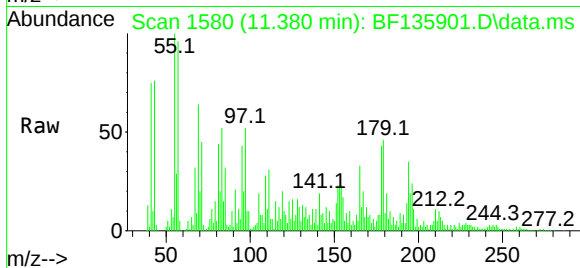
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	107.1	12.3	18.5

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Supervised By :mohammad ahmed 10/20/2023



#75

Fluoranthene

Concen: 4.372 ng

RT: 12.516 min Scan# 1773

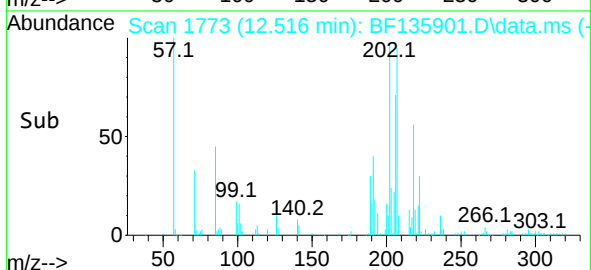
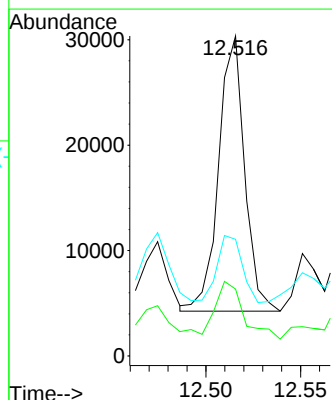
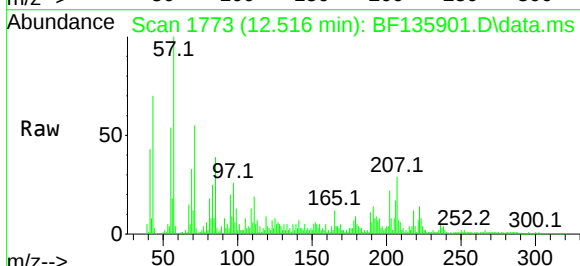
Delta R.T. 0.012 min

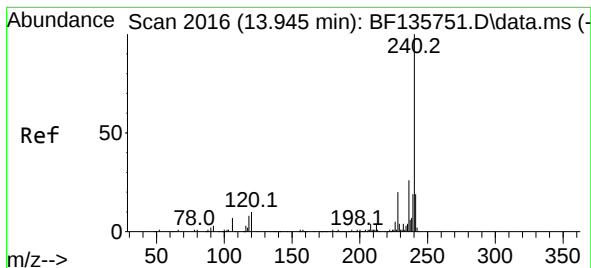
Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

Tgt Ion:202 Resp: 24939

Ion	Ratio	Lower	Upper
202	100		
101	20.9	0.0	31.5
203	36.4	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: BF135901.D

Acq: 19 Oct 2023 22:54

Instrument :

BNA_F

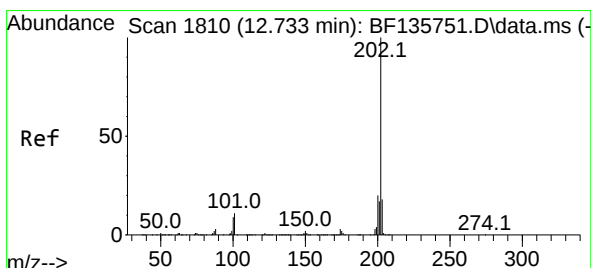
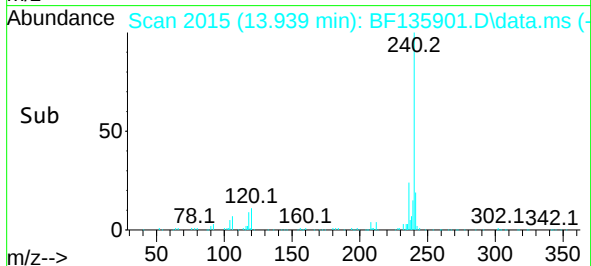
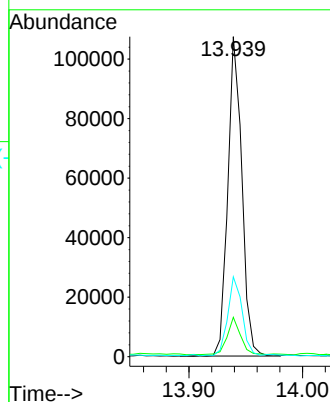
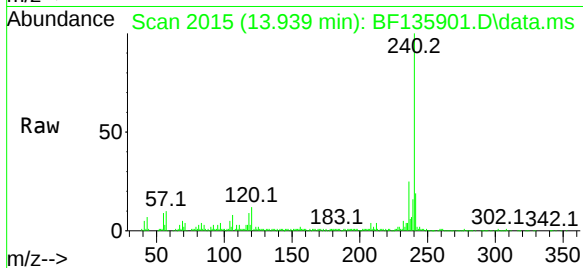
ClientSampleId :

PP-20230928-B4A-7.5-15

Tgt Ion:240 Resp: 92208
 Ion Ratio Lower Upper
 240 100
 120 12.3 8.2 12.2
 236 24.9 21.2 31.8

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 Supervised By :mohammad ahmed 10/20/2023



#78

Pyrene

Concen: 11.453 ng

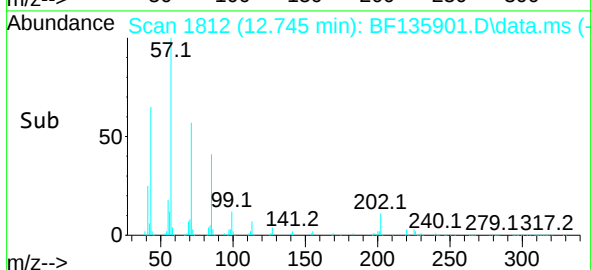
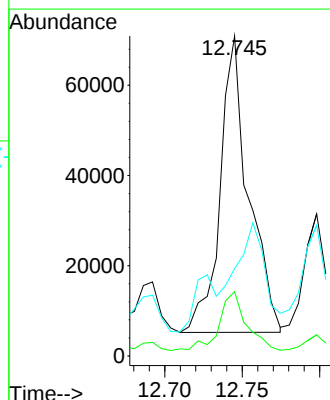
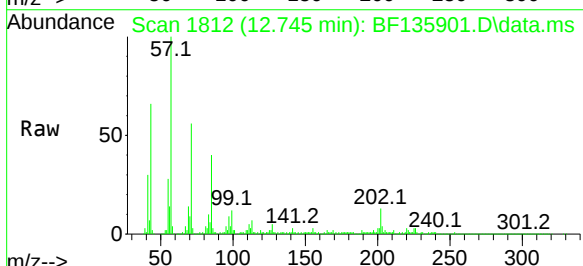
RT: 12.745 min Scan# 1812

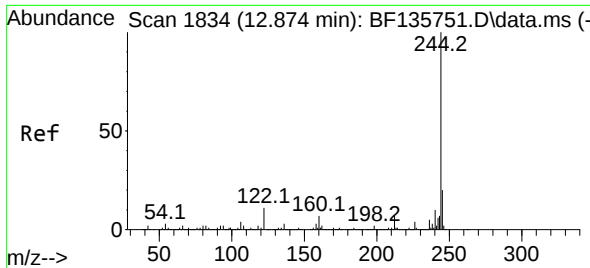
Delta R.T. 0.012 min

Lab File: BF135901.D

Acq: 19 Oct 2023 22:54

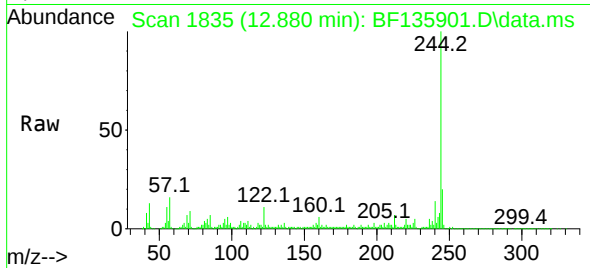
Tgt Ion:202 Resp: 83923
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.1 24.1
 203 27.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 61.494 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.000 min
 Lab File: BF135901.D
 Acq: 19 Oct 2023 22:54

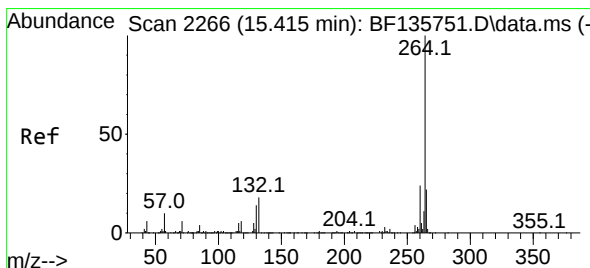
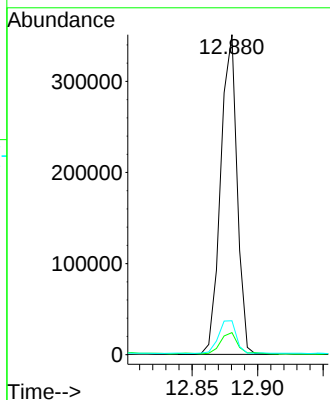
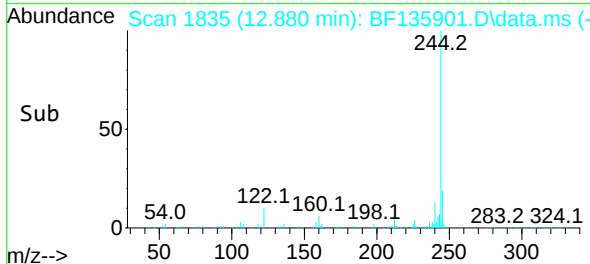
Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B4A-7.5-15



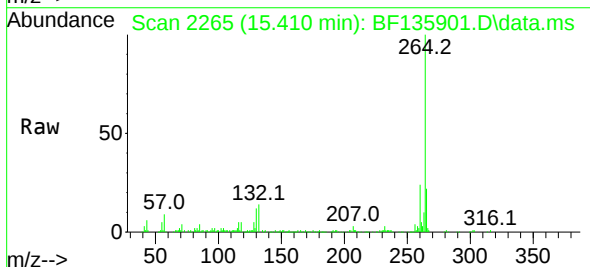
Tgt Ion:244 Resp: 30618
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.6 9.0 13.6

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



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135901.D
 Acq: 19 Oct 2023 22:54



Tgt Ion:264 Resp: 74795
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.8 17.4 26.2

