

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136776.D
 Acq On : 28 Dec 2023 00:35
 Operator : CG\JU
 Sample : 05853-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EAST-WALL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 28 01:00:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	73255	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	277014	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	131943	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	219652	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	145543	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	159001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	354423	75.490	ng	0.00
7) Phenol-d6	6.428	99	442338	72.710	ng	-0.01
23) Nitrobenzene-d5	7.345	82	275257	50.847	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	95559	61.495	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	555206	56.596	ng	-0.01
79) Terphenyl-d14	12.904	244	440778	42.322	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.328	178	122115	10.835	ng	99
72) Anthracene	11.380	178	31033	2.719	ng	97
75) Fluoranthene	12.527	202	173088	14.358	ng	100
78) Pyrene	12.757	202	147628	10.333	ng	98
81) Benzo(a)anthracene	13.951	228	84713	8.382	ng	99
83) Chrysene	13.986	228	68471	6.928	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	30323	2.641	ng	99
88) Benzo(b)fluoranthene	15.010	252	90244m	8.498	ng	
89) Benzo(k)fluoranthene	15.033	252	27594m	2.750	ng	
90) Benzo(a)pyrene	15.380	252	61325	6.841	ng	96
92) Benzo(g,h,i)perylene	17.398	276	26208	2.717	ng	98

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

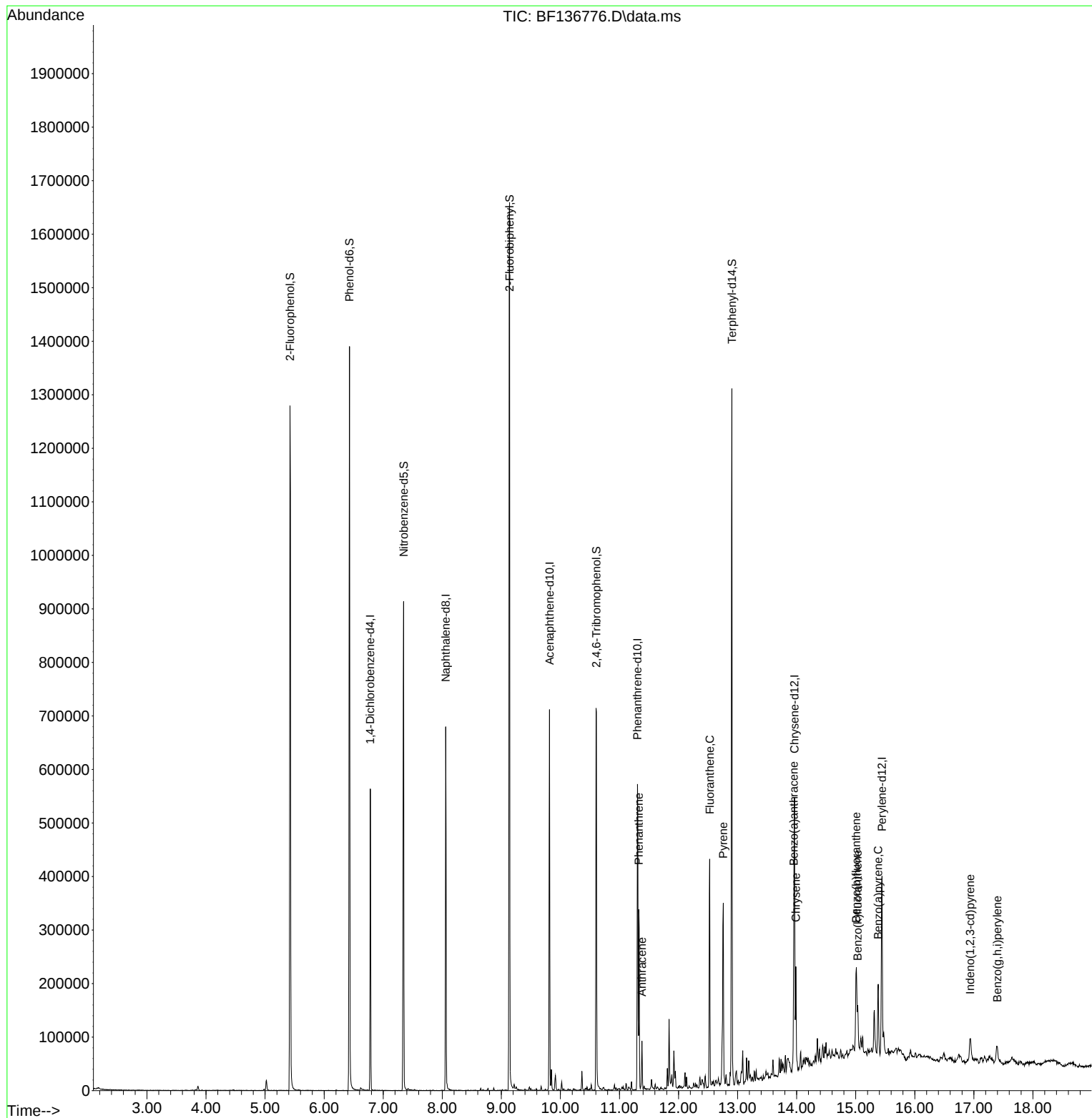
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
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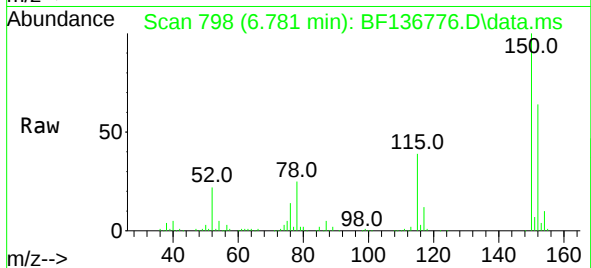
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

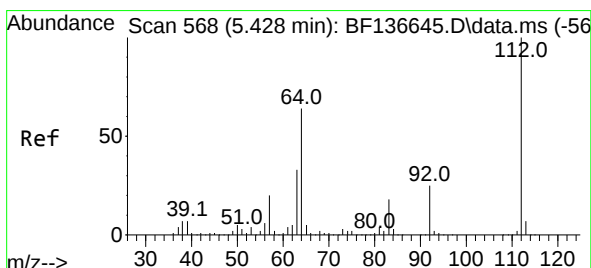
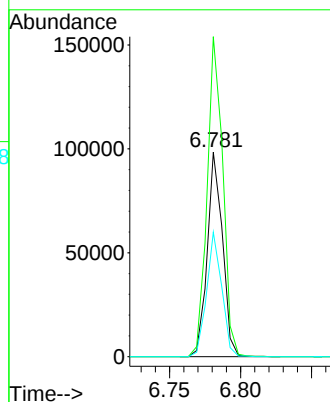
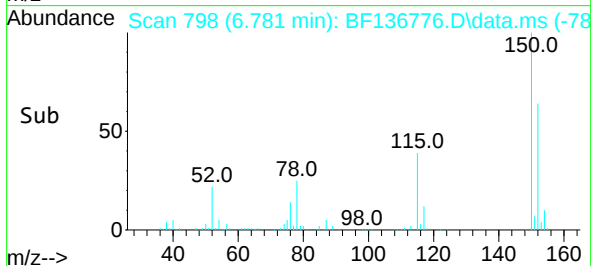


Tgt Ion:152 Resp: 73258
Ion Ratio Lower Upper
152 100
150 156.5 127.0 190.6
115 60.9 49.0 73.4

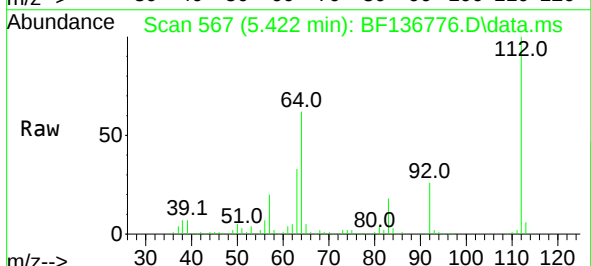
Manual Integrations

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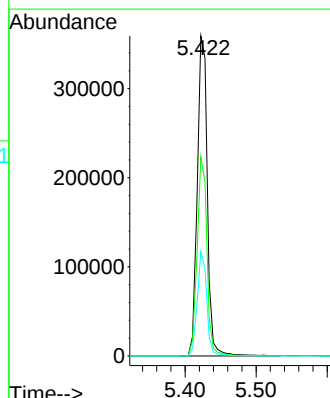
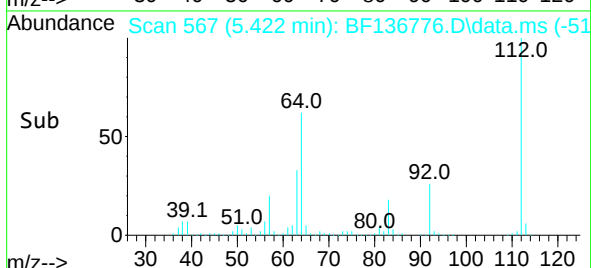
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

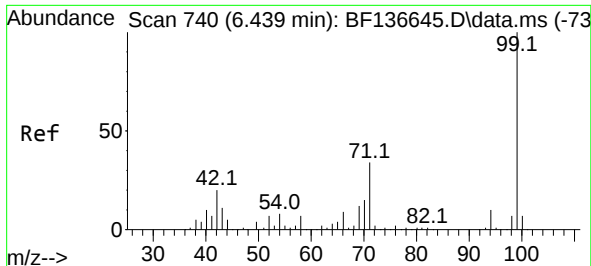


#5
2-Fluorophenol
Concen: 75.490 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35



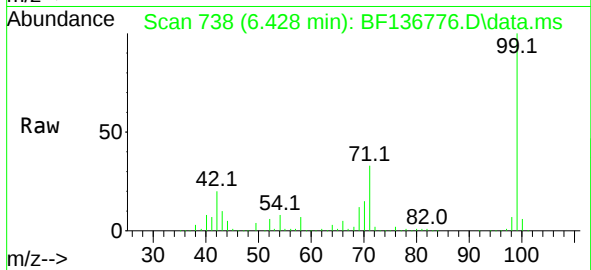
Tgt Ion:112 Resp: 354423
Ion Ratio Lower Upper
112 100
64 62.2 51.1 76.7
63 32.6 26.1 39.1





#7
Phenol-d6
Concen: 72.710 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

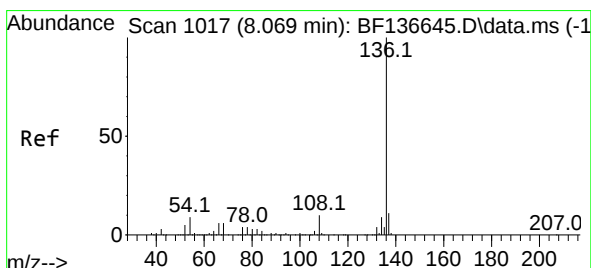
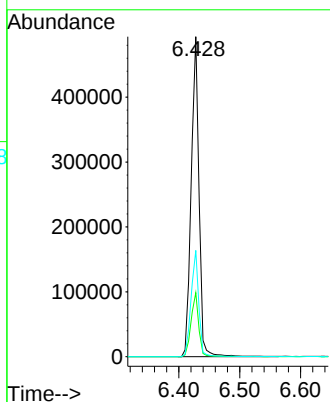
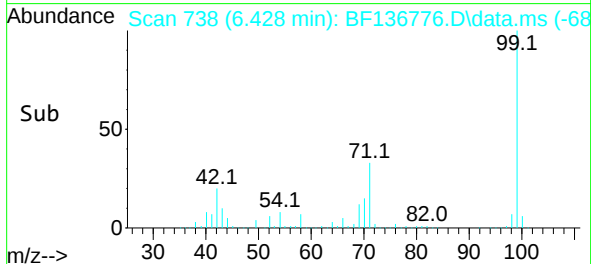
Instrument :
BNA_F
ClientSampleId :
EAST-WALL



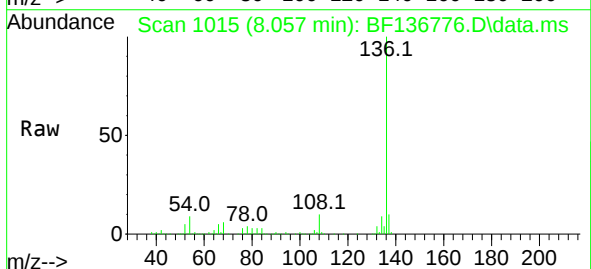
Tgt Ion: 99 Resp: 442338
Ion Ratio Lower Upper
99 100
42 20.0 16.1 24.1
71 33.2 27.4 41.2

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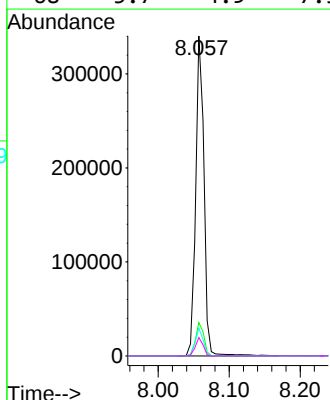
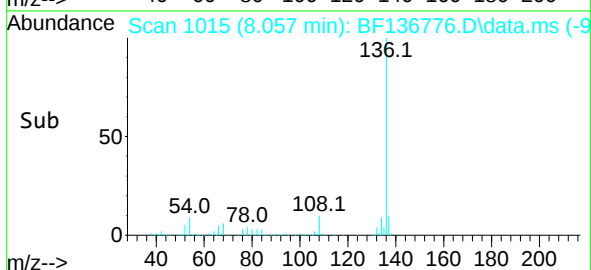
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

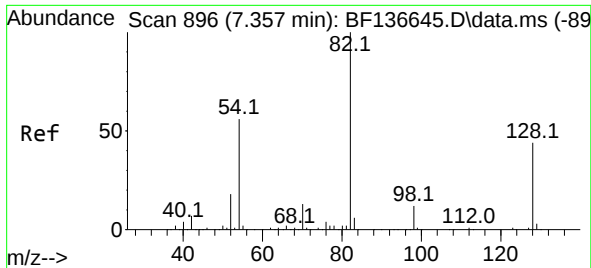


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35



Tgt Ion:136 Resp: 277014
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 8.7 7.2 10.8
68 5.7 4.9 7.3





#23
Nitrobenzene-d5
Concen: 50.847 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

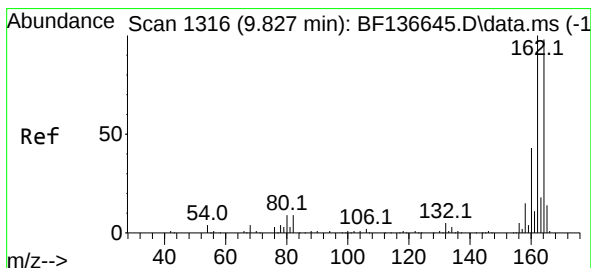
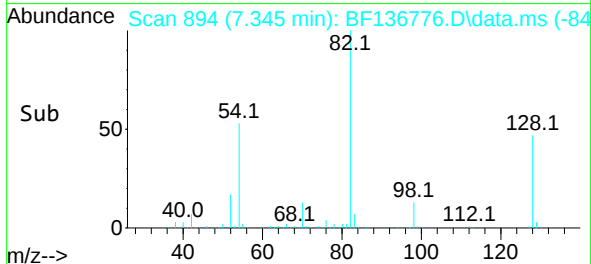
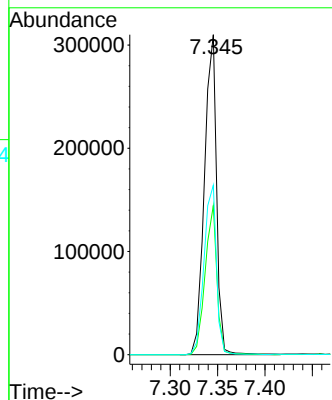
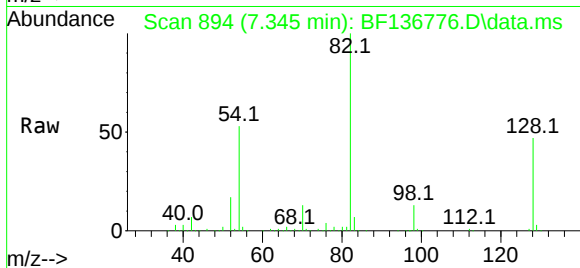
EAST-WALL

Tgt Ion: 82 Resp: 27525
Ion Ratio Lower Upper
82 100
128 46.6 35.3 52.9
54 53.0 44.5 66.7

Manual Integrations

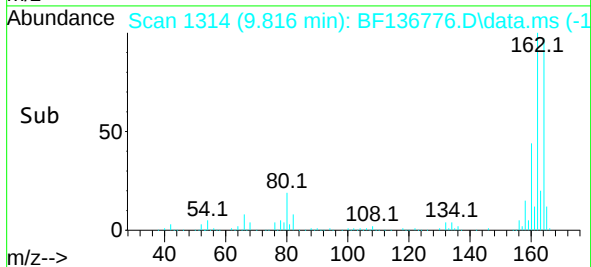
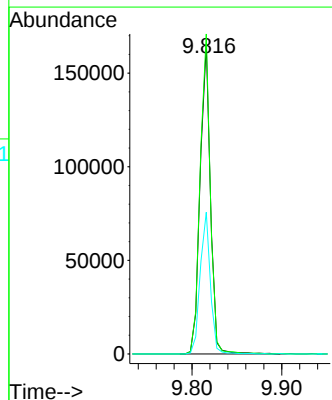
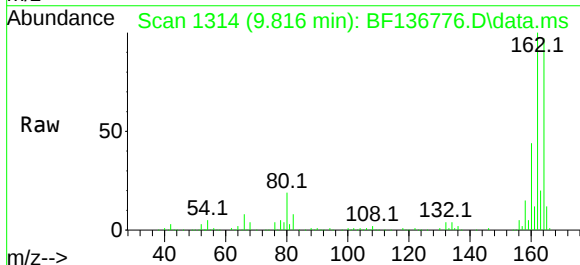
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Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion:164 Resp: 131943
Ion Ratio Lower Upper
164 100
162 103.4 81.6 122.4
160 45.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 61.495 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

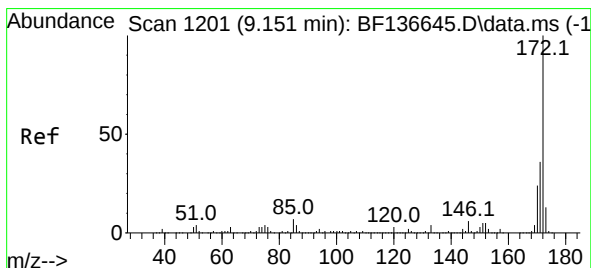
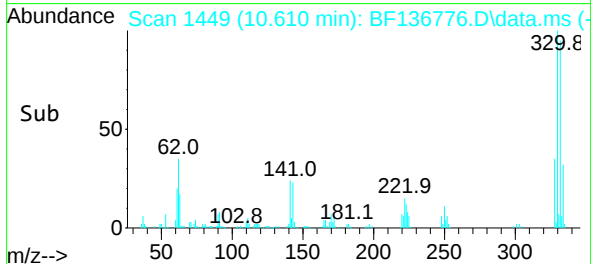
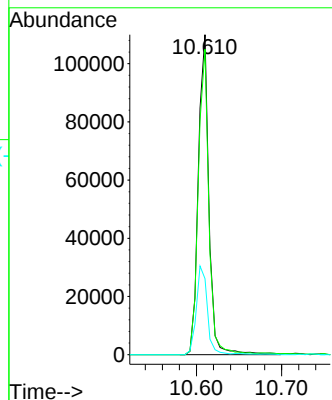
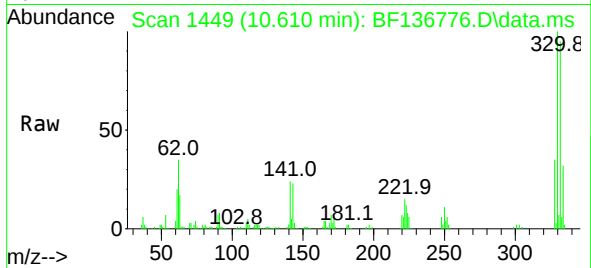
Tgt Ion:330 Resp: 9555
Ion Ratio Lower Upper
330 100
332 94.9 77.4 116.0
141 29.3 23.4 35.2

Manual Integrations

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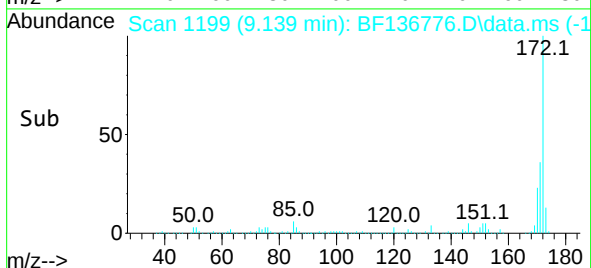
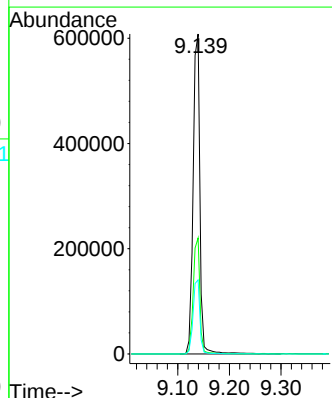
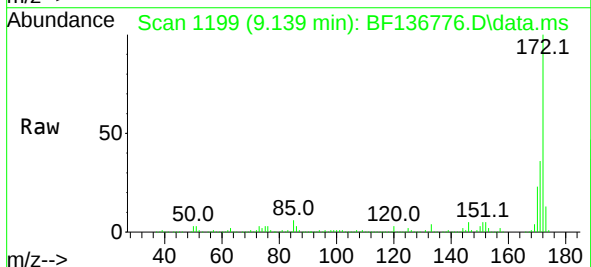
Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#45
2-Fluorobiphenyl
Concen: 56.596 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion:172 Resp: 555206
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 23.2 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

Tgt Ion:188 Resp: 21965

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

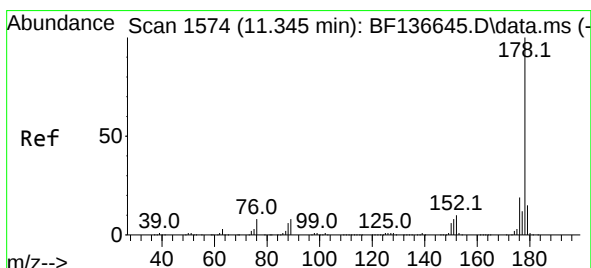
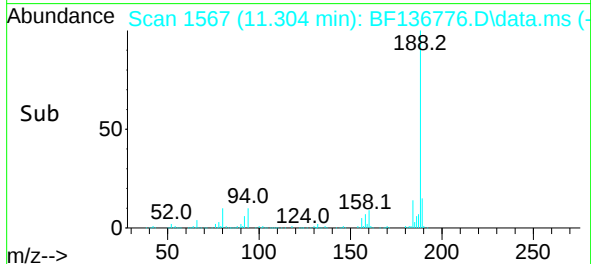
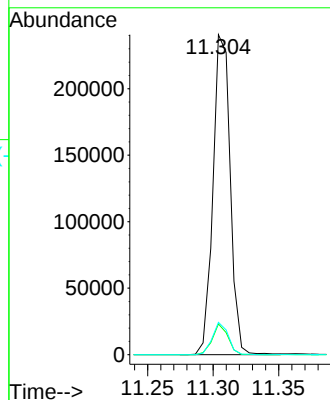
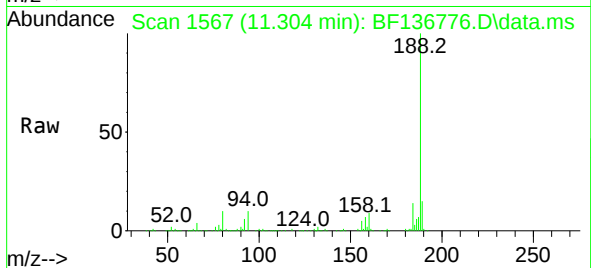
80 10.1 8.1 12.1

Manual Integrations

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#71

Phenanthrene

Concen: 10.835 ng

RT: 11.328 min Scan# 1571

Delta R.T. -0.017 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

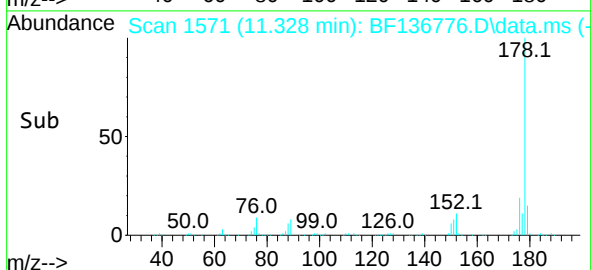
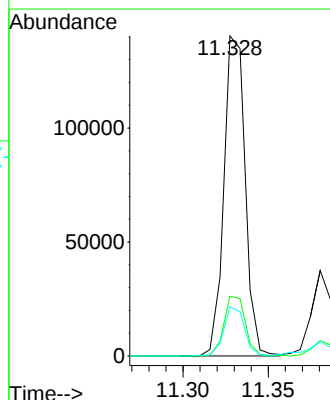
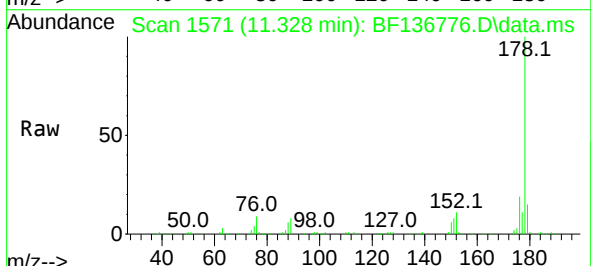
Tgt Ion:178 Resp: 122115

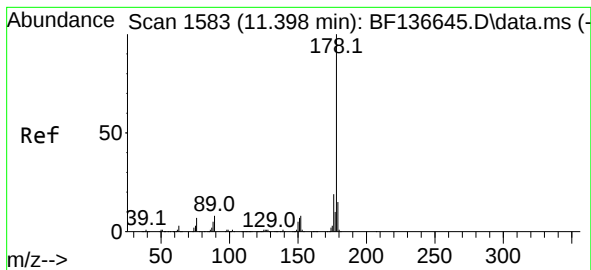
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.4 11.9 17.9





#72

Anthracene

Concen: 2.719 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

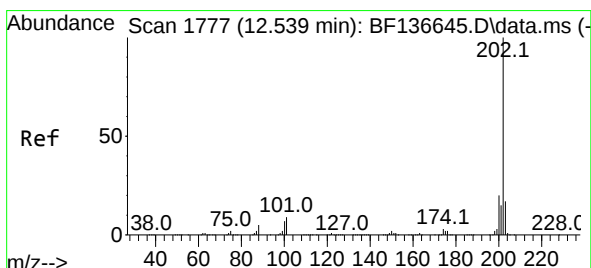
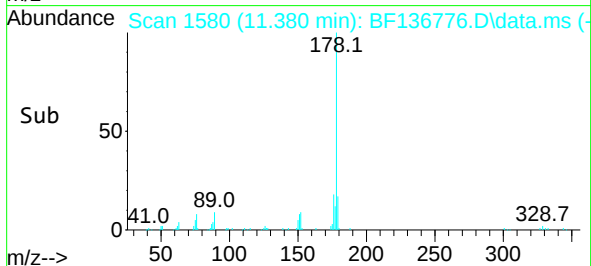
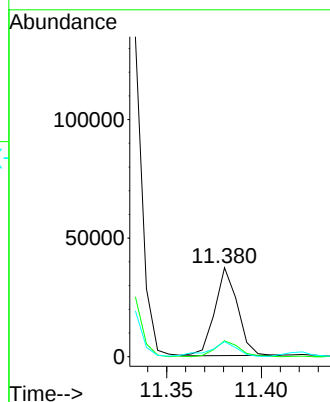
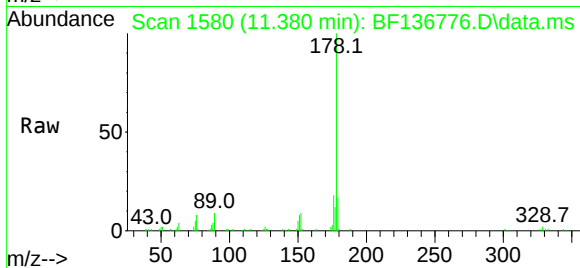
Tgt Ion:178	Resp:	3103
Ion Ratio	Lower	Upper
178	100	
176	17.8	14.9 22.3
179	16.9	11.8 17.6

Manual Integrations

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#75

Fluoranthene

Concen: 14.358 ng

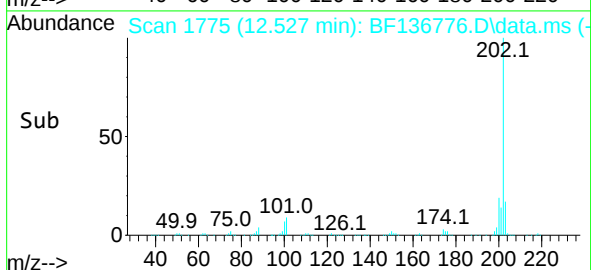
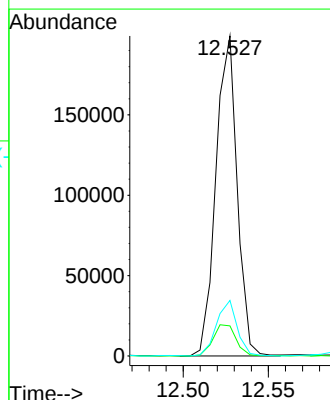
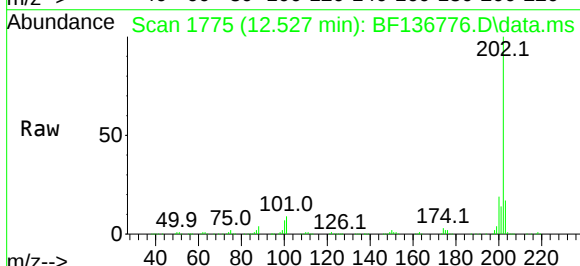
RT: 12.527 min Scan# 1775

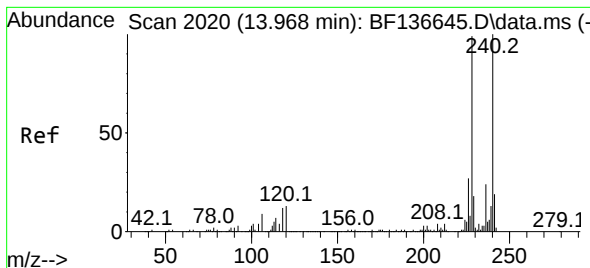
Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Tgt Ion:202	Resp:	173088
Ion Ratio	Lower	Upper
202	100	
101	9.4	0.0 29.3
203	17.3	0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

Tgt Ion:240 Resp: 14554

Ion Ratio Lower Upper

240 100

120 9.8 10.3 15.5

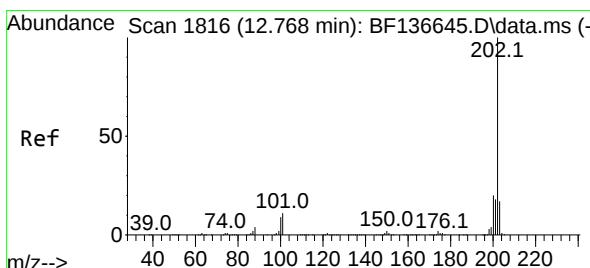
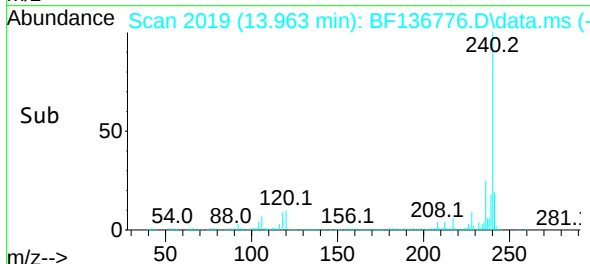
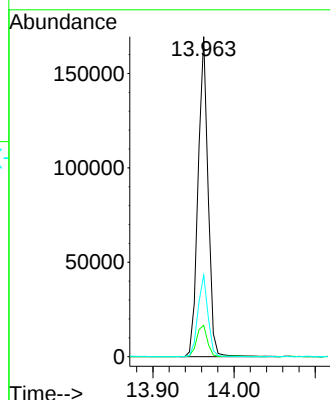
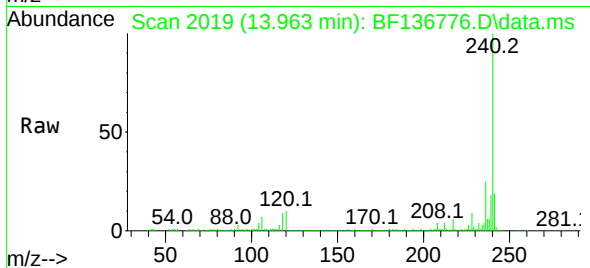
236 25.5 19.4 29.2

Manual Integrations

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Supervised By :mohammad ahmed 12/28/2023



#78

Pyrene

Concen: 10.333 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

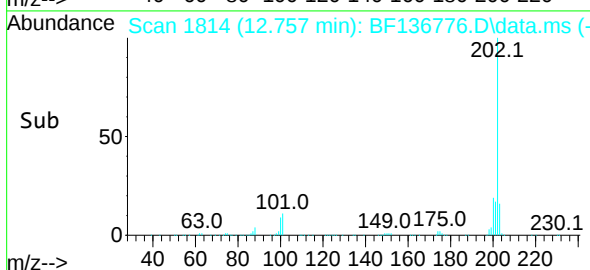
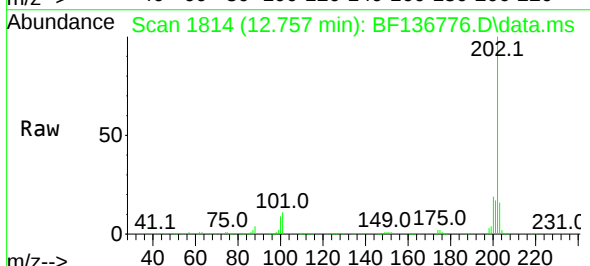
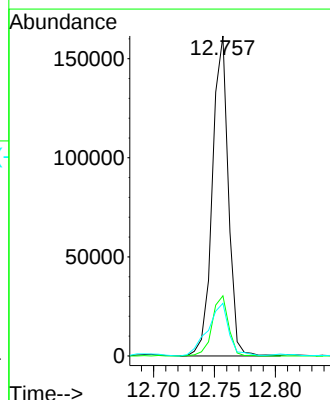
Tgt Ion:202 Resp: 147628

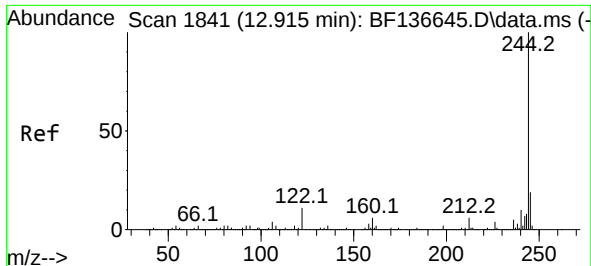
Ion Ratio Lower Upper

202 100

200 18.8 15.9 23.9

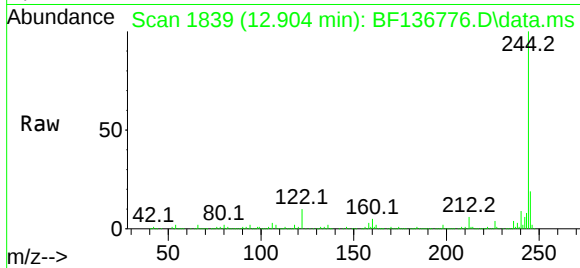
203 16.4 13.8 20.6





#79
 Terphenyl-d14
 Concen: 42.322 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136776.D
 Acq: 28 Dec 2023 00:35

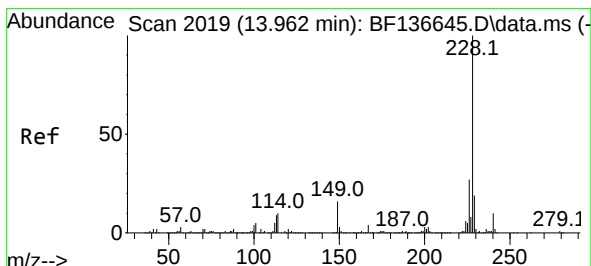
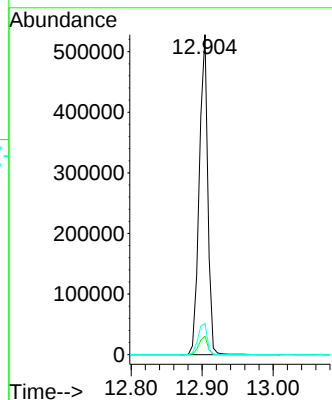
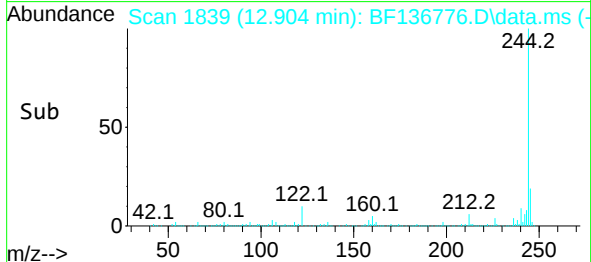
Instrument :
 BNA_F
 ClientSampleId :
 EAST-WALL



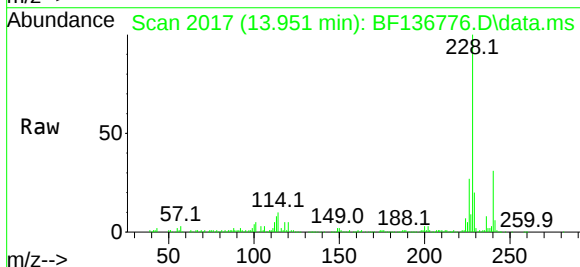
Tgt Ion:244 Resp: 440778
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.0 7.4
 122 9.7 9.0 13.4

Manual Integrations
 APPROVED

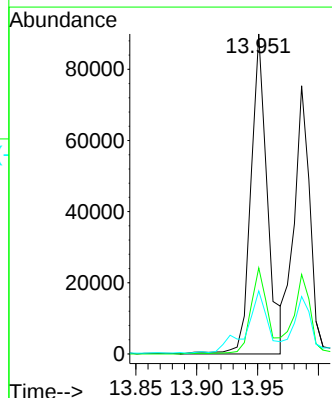
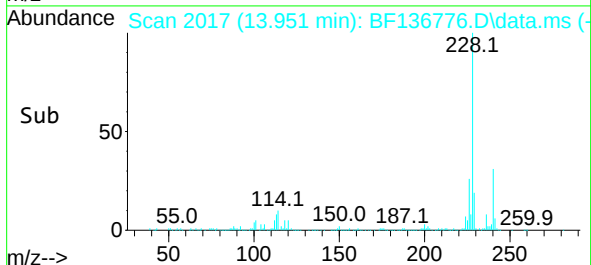
Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023

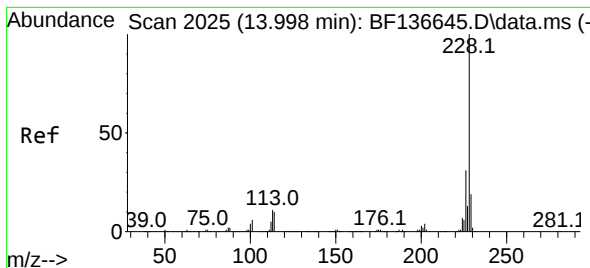


#81
 Benzo(a)anthracene
 Concen: 8.382 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136776.D
 Acq: 28 Dec 2023 00:35



Tgt Ion:228 Resp: 84713
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.4 32.0
 229 19.7 14.9 22.3





#83

Chrysene

Concen: 6.928 ng

RT: 13.986 min Scan# 2025

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

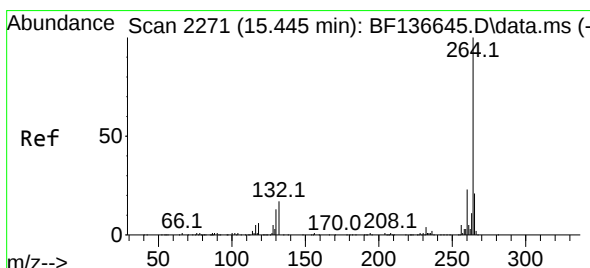
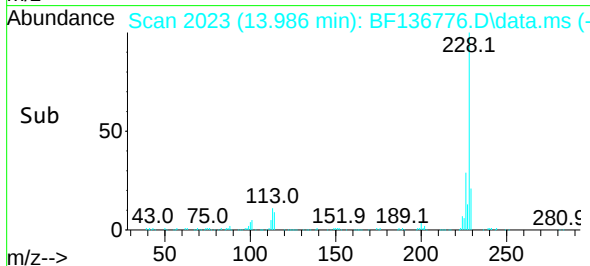
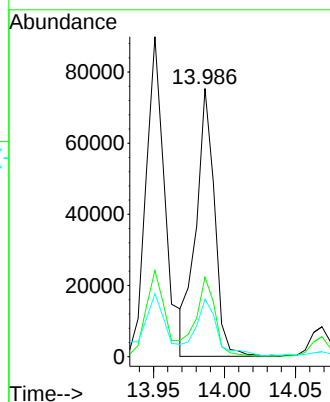
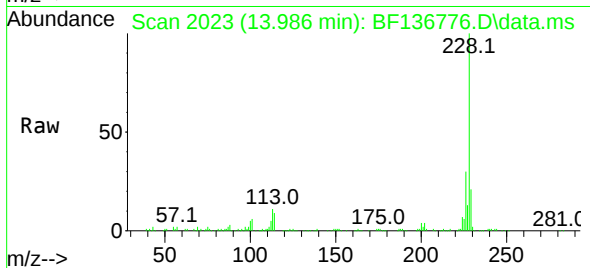
Tgt Ion:	228	Resp:	6847
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.7	37.1
229	21.4	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#86

Perylene-d12

Concen: 20.000 ng

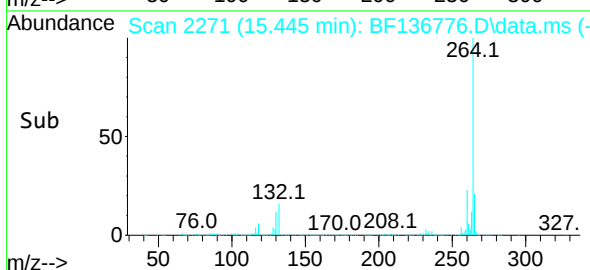
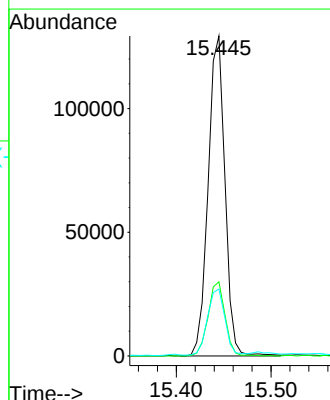
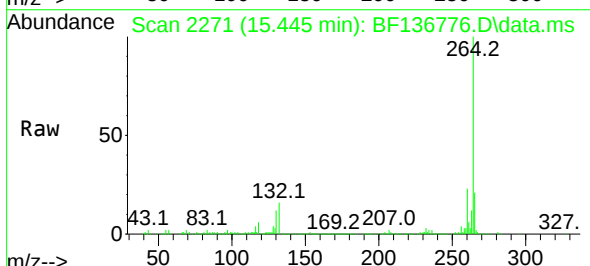
RT: 15.445 min Scan# 2271

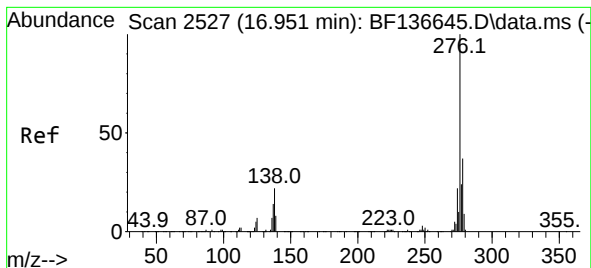
Delta R.T. 0.000 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Tgt Ion:	264	Resp:	159001
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.3	27.5
265	20.9	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.641 ng

RT: 16.939 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

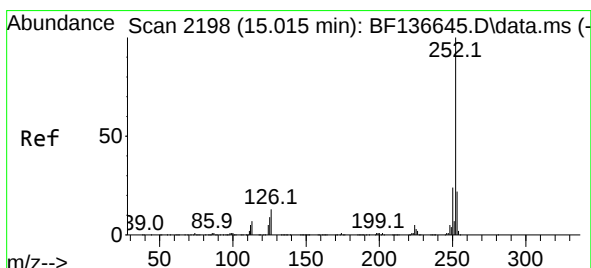
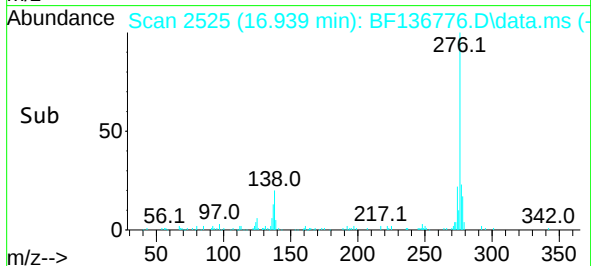
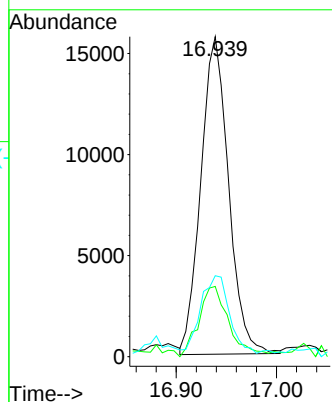
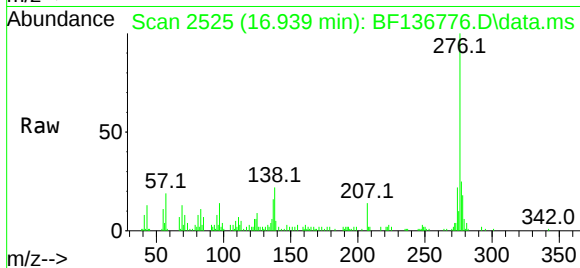
Tgt Ion:	276	Resp:	3032
Ion Ratio	Lower	Upper	
276	100		
138	23.9	18.7	28.1
277	24.3	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#88

Benzo(b)fluoranthene

Concen: 8.498 ng m

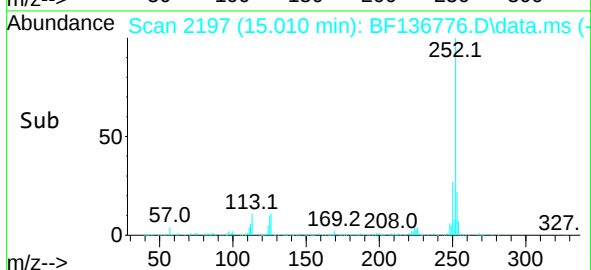
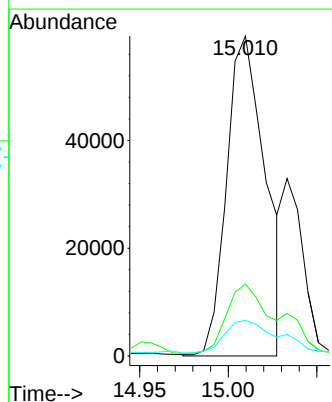
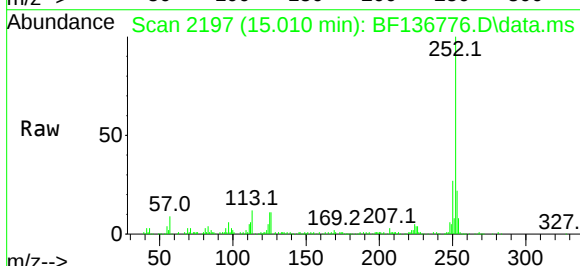
RT: 15.010 min Scan# 2197

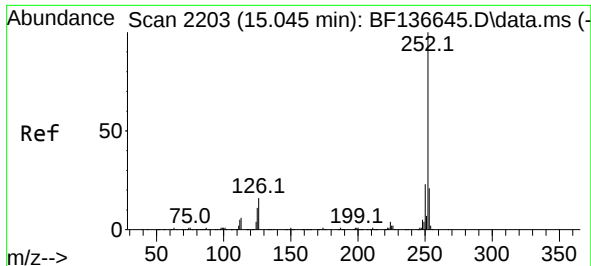
Delta R.T. -0.006 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

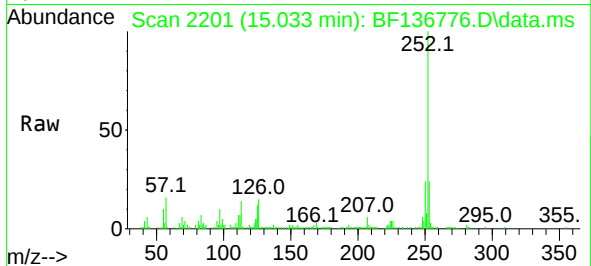
Tgt Ion:	252	Resp:	90244
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	11.1	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 2.750 ng m
RT: 15.033 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

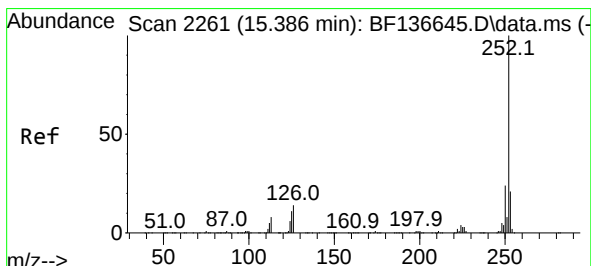
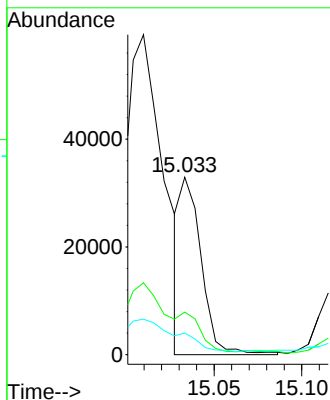
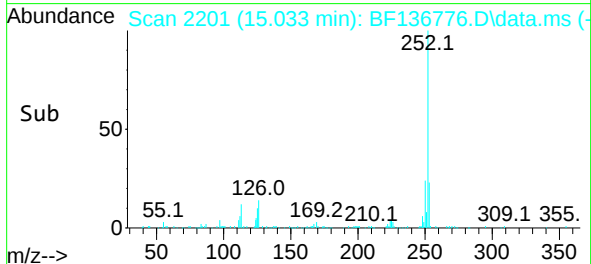
Instrument :
BNA_F
ClientSampleId :
EAST-WALL



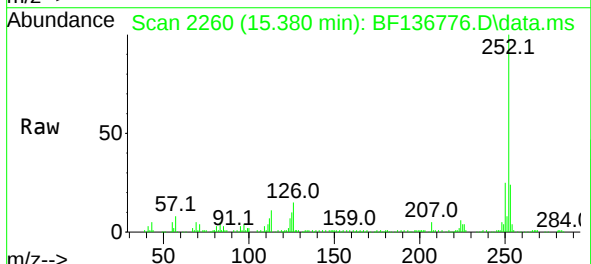
Tgt Ion:252 Resp: 27594
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 12.2 8.2 12.4

Manual Integrations
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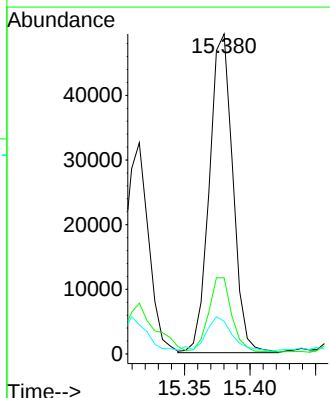
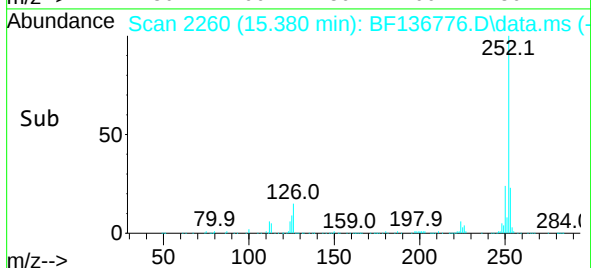
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

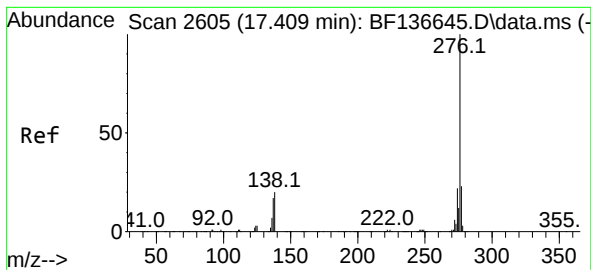


#90
Benzo(a)pyrene
Concen: 6.841 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35



Tgt Ion:252 Resp: 61325
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 10.2 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.717 ng

RT: 17.398 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136776.D

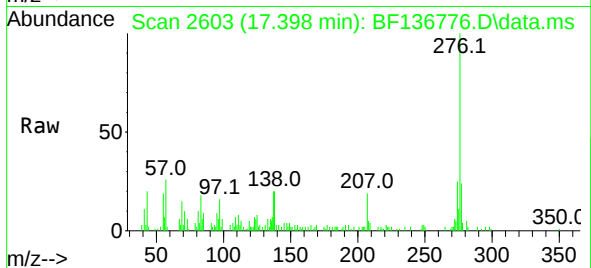
Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL



Tgt Ion:276 Resp: 26208

Ion Ratio Lower Upper

276 100

277 24.1 18.3 27.5

138 20.4 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023

