

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136707.D
 Acq On : 23 Dec 2023 02:47
 Operator : CG\JU
 Sample : 05940-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-122023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

Quant Time: Dec 23 03:45:38 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	6.787	152	61211	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	194452	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	80591	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	159246	20.000	ng	0.00
76) Chrysene-d12	13.968	240	128388	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	88066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	38196	9.736	ng	0.00
7) Phenol-d6	6.428	99	43245	8.507	ng	-0.01
23) Nitrobenzene-d5	7.340	82	26009	6.844	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	8315	8.761	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	45740	7.634	ng	-0.02
79) Terphenyl-d14	12.904	244	51967	5.656	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.775	142	17252	2.509	ng	95
49) Acenaphthylene	9.681	152	22549	2.869	ng	98
58) Fluorene	10.369	166	12401	2.117	ng	# 95
71) Phenanthrene	11.333	178	127936	15.657	ng	99
72) Anthracene	11.386	178	45957	5.554	ng	99
75) Fluoranthene	12.527	202	329730	37.726	ng	96
78) Pyrene	12.763	202	314029	24.916	ng	99
81) Benzo(a)anthracene	13.957	228	160127	17.961	ng	94
83) Chrysene	13.992	228	138795	15.920	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	50153	7.888	ng	# 94
88) Benzo(b)fluoranthene	15.010	252	123814m	21.050	ng	
89) Benzo(k)fluoranthene	15.039	252	46819m	8.424	ng	
90) Benzo(a)pyrene	15.380	252	87368	17.597	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	13454	2.579	ng	# 67
92) Benzo(g,h,i)perylene	17.398	276	46050	8.619	ng	97

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

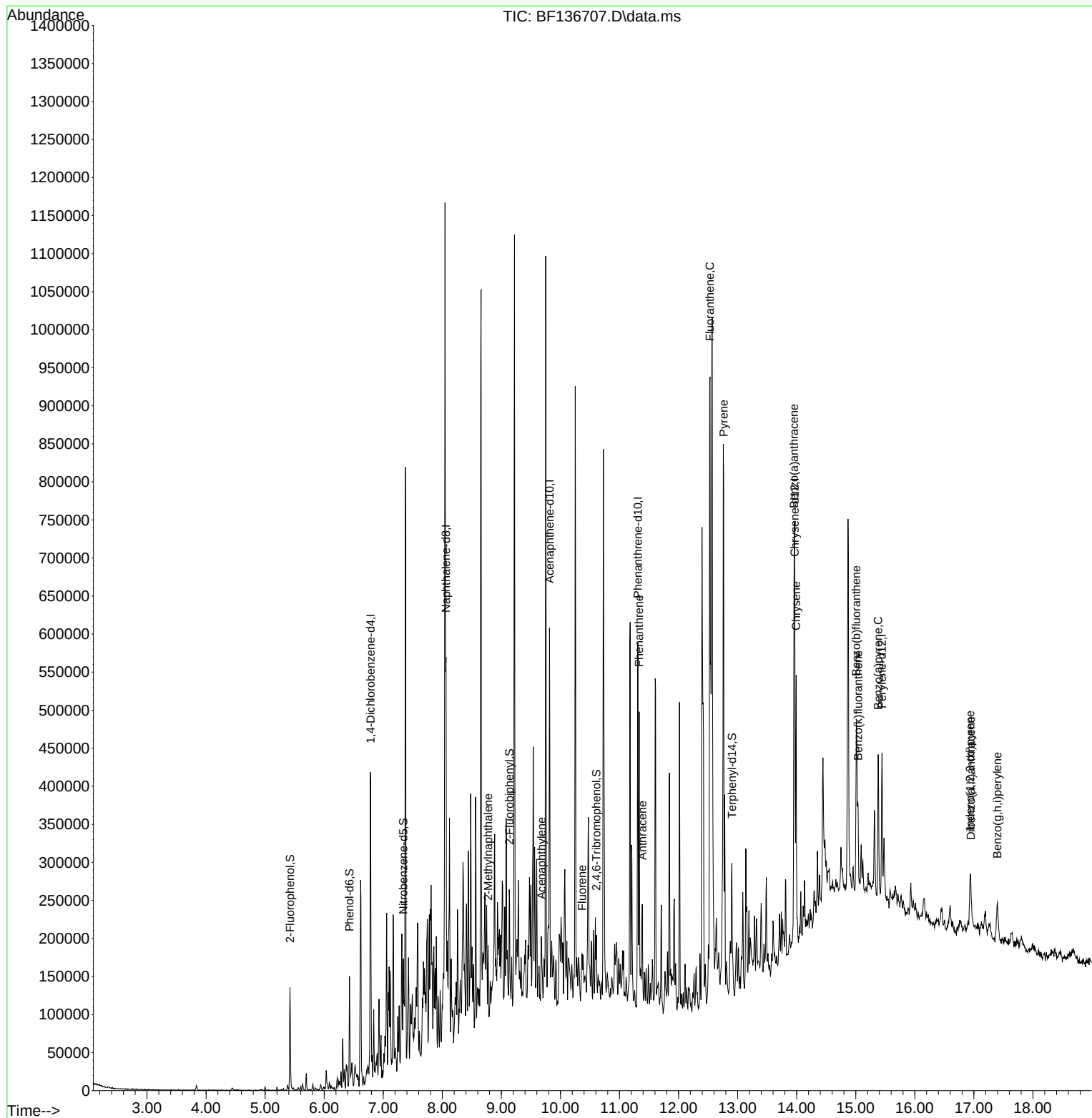
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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ALS Vial : 21 Sample Multiplier: 1

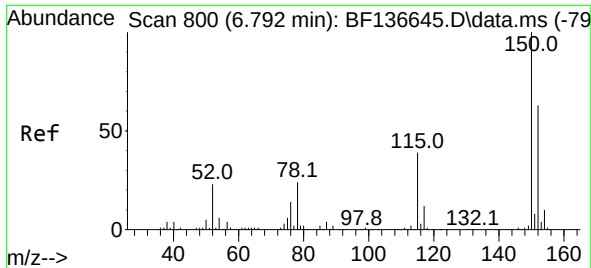
Instrument :
BNA_F
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PL-01-122023

Quant Time: Dec 23 03:45:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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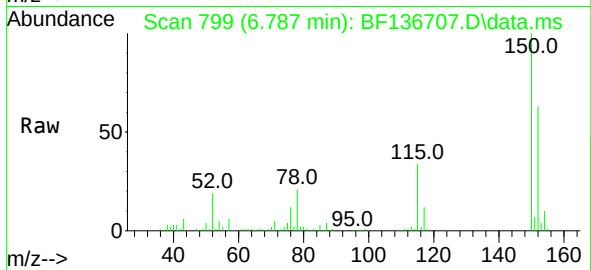
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

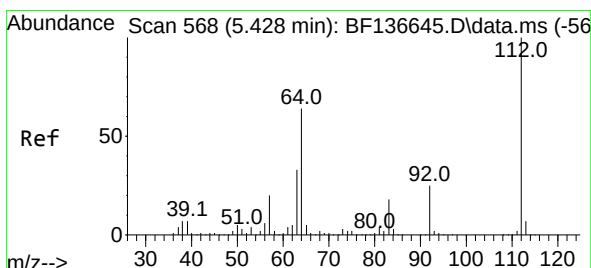
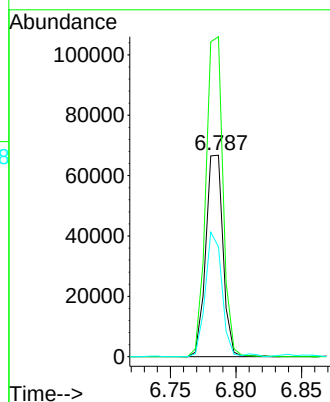
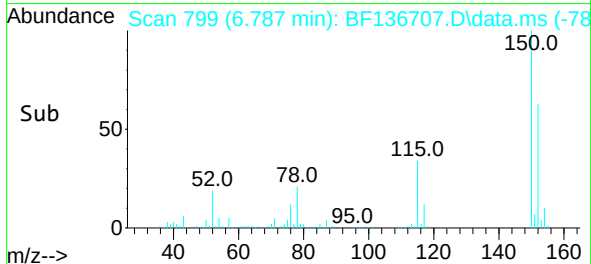


Tgt Ion:152 Resp: 6121
Ion Ratio Lower Upper
152 100
150 158.8 127.0 190.6
115 54.6 49.0 73.4

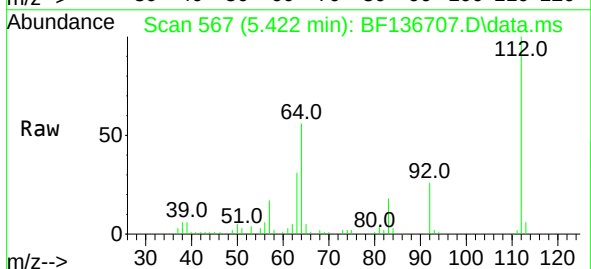
Manual Integrations

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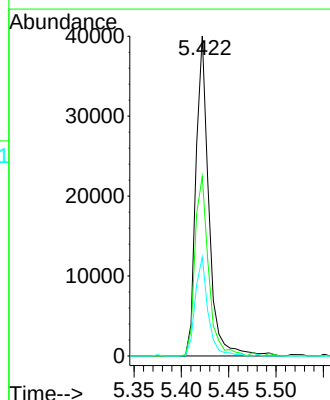
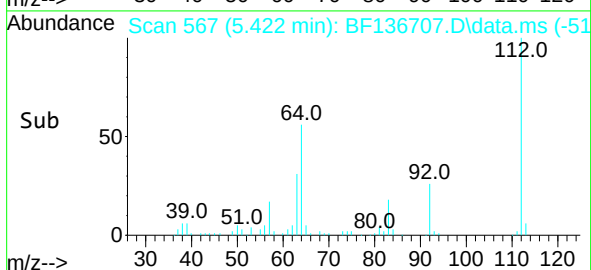
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

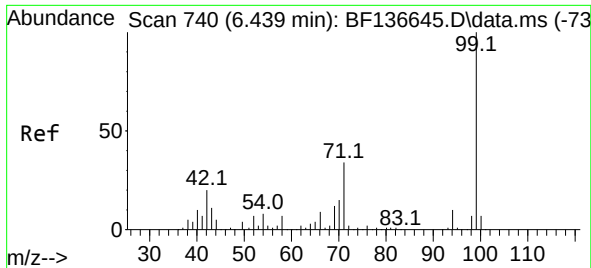


#5
2-Fluorophenol
Concen: 9.736 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47



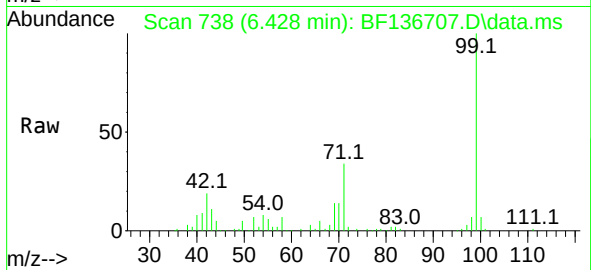
Tgt Ion:112 Resp: 38196
Ion Ratio Lower Upper
112 100
64 56.2 51.1 76.7
63 30.9 26.1 39.1





#7
Phenol-d6
Concen: 8.507 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

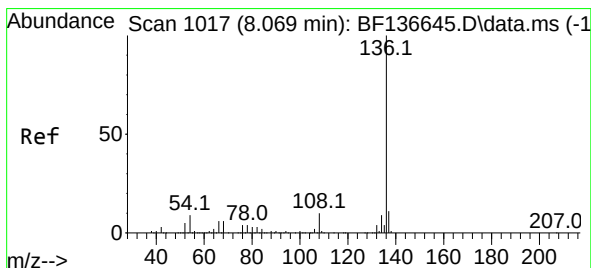
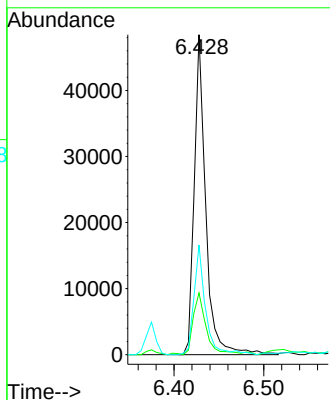
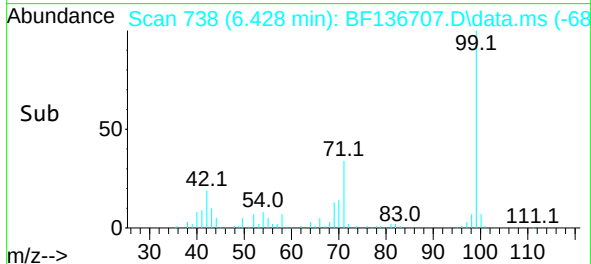
Instrument :
BNA_F
ClientSampleId :
PL-01-122023



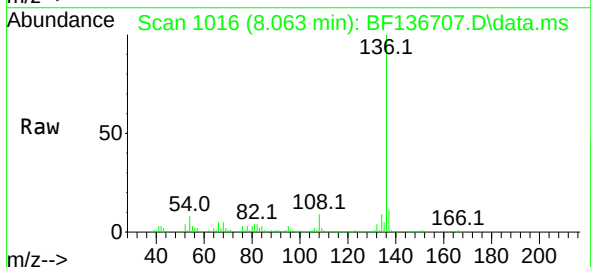
Tgt Ion: 99 Resp: 43245
Ion Ratio Lower Upper
99 100
42 19.3 16.1 24.1
71 34.2 27.4 41.2

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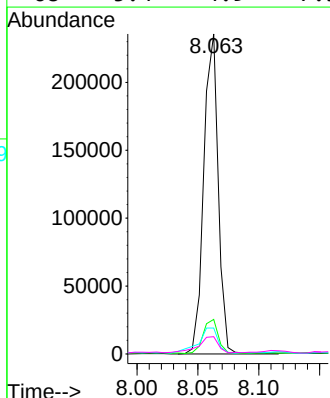
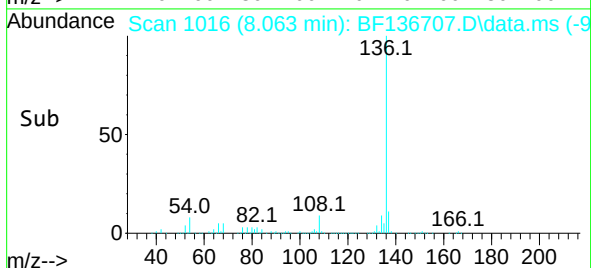
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

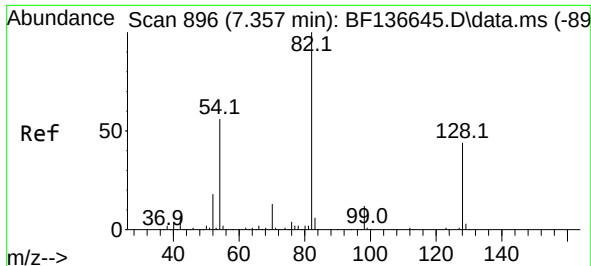


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47



Tgt Ion:136 Resp: 194452
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.1 7.2 10.8
68 5.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 6.844 ng

RT: 7.340 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

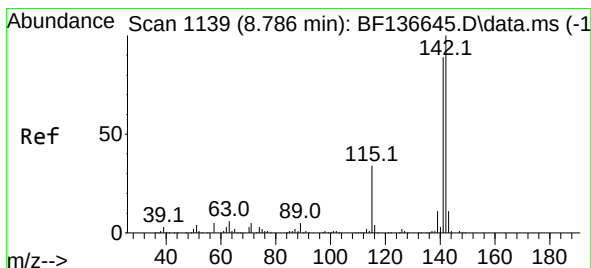
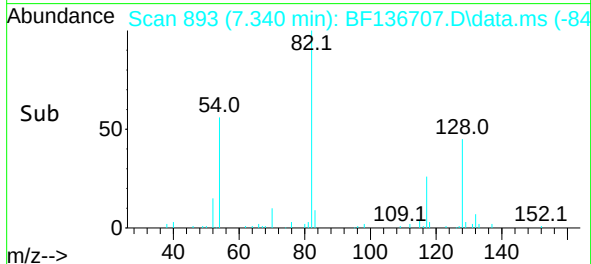
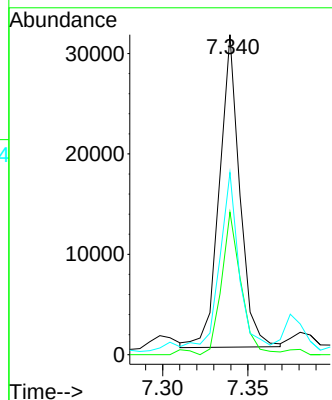
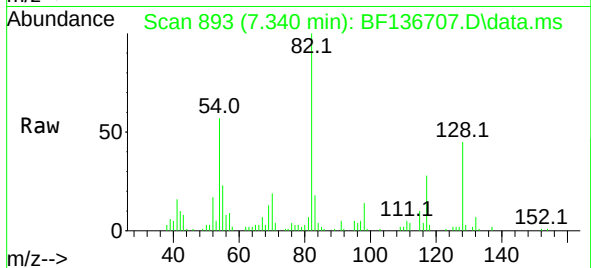
Tgt Ion: 82	Resp: 26009
Ion Ratio	Lower Upper
82 100	
128 44.6	35.3 52.9
54 56.9	44.5 66.7

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#37

2-Methylnaphthalene

Concen: 2.509 ng

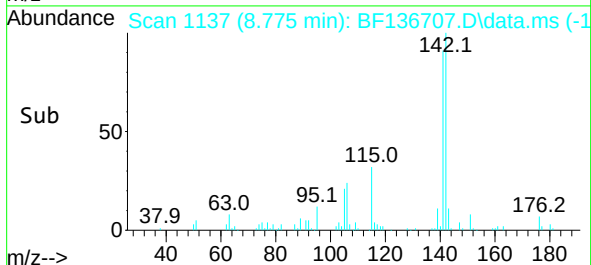
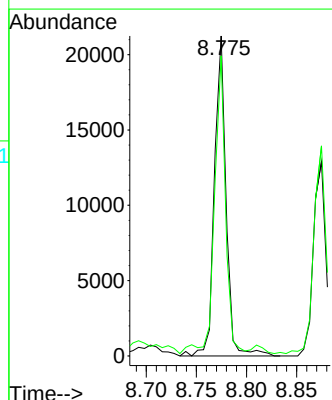
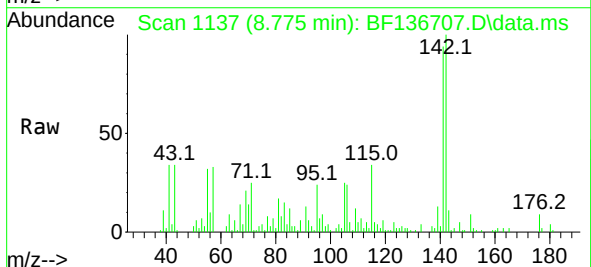
RT: 8.775 min Scan# 1137

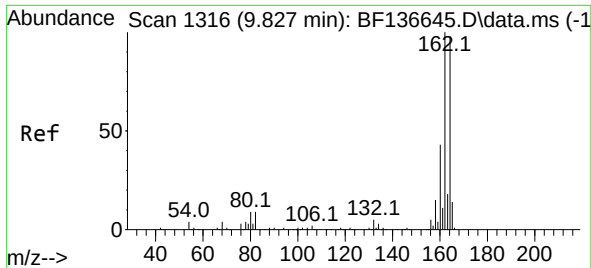
Delta R.T. -0.012 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Tgt Ion:142	Resp: 17252
Ion Ratio	Lower Upper
142 100	
141 93.8	71.1 106.7





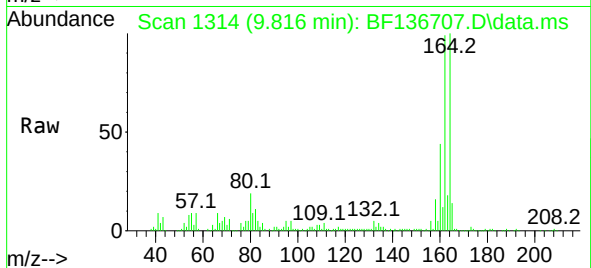
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

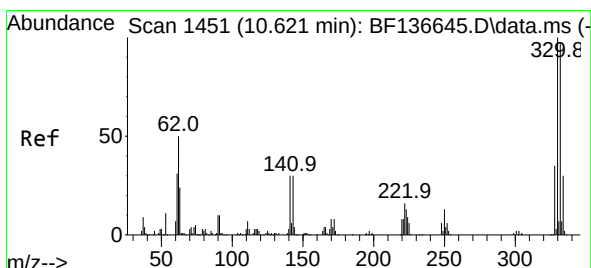
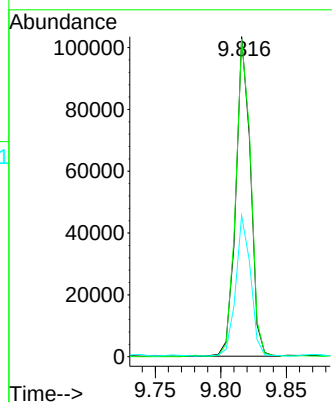
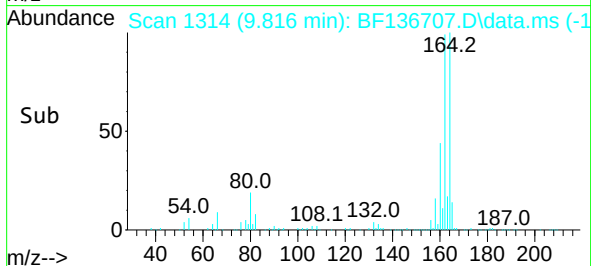


Tgt Ion:164 Resp: 8059
Ion Ratio Lower Upper
164 100
162 99.3 81.6 122.4
160 44.1 34.9 52.3

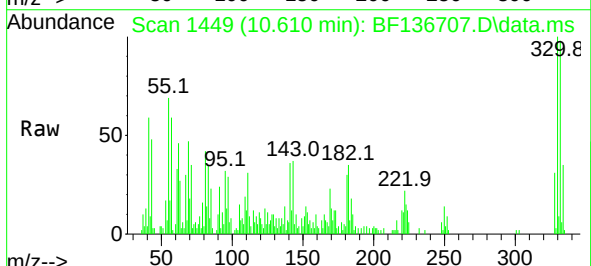
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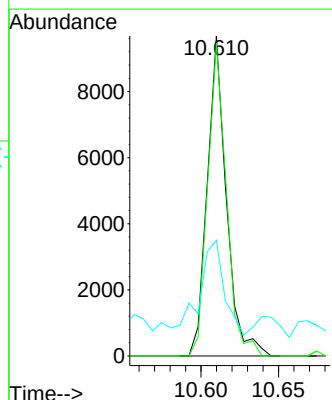
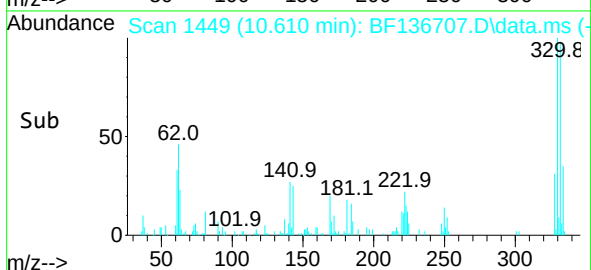
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

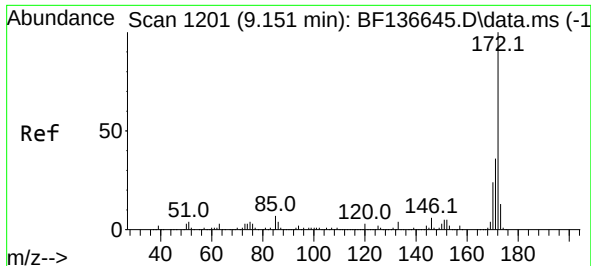


#42
2,4,6-Tribromophenol
Concen: 8.761 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47



Tgt Ion:330 Resp: 8315
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.0
141 37.8 23.4 35.2#





#45

2-Fluorobiphenyl

Concen: 7.634 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136707.D

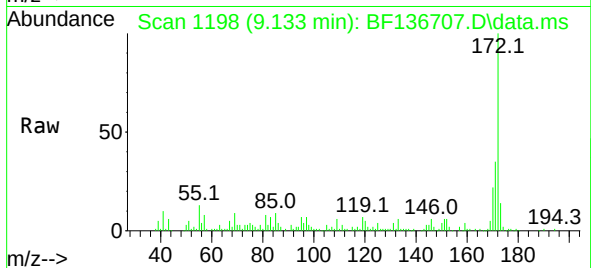
Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023



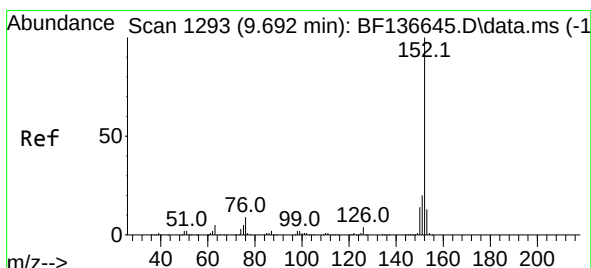
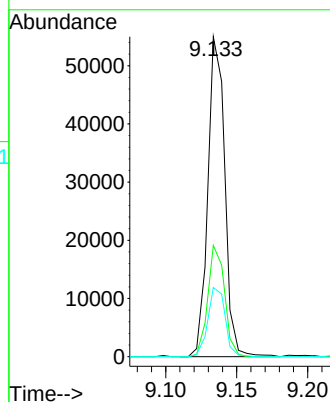
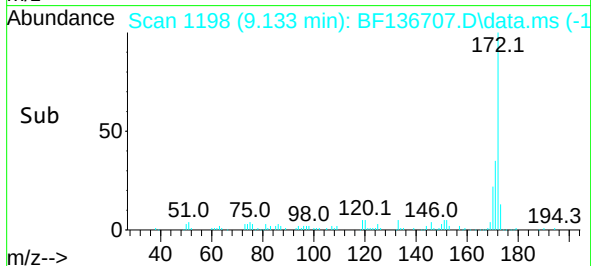
Tgt Ion:	172	Resp:	45740
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.0	43.6
170	21.6	19.0	28.4

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#49

Acenaphthylene

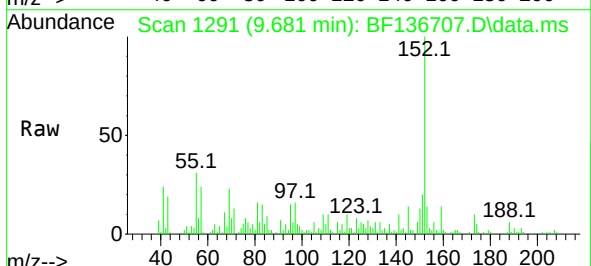
Concen: 2.869 ng

RT: 9.681 min Scan# 1291

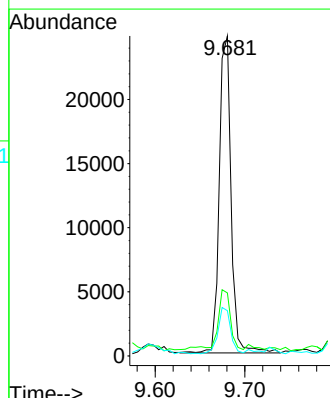
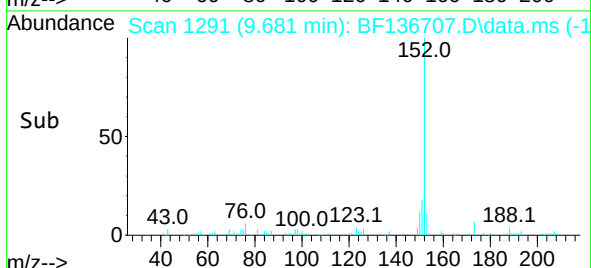
Delta R.T. -0.012 min

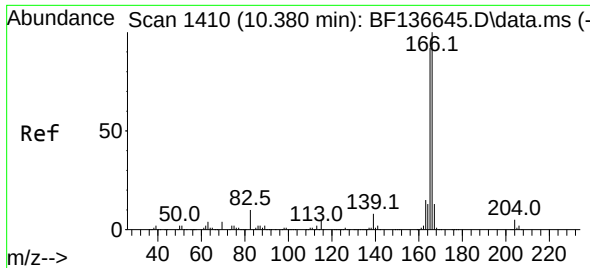
Lab File: BF136707.D

Acq: 23 Dec 2023 02:47



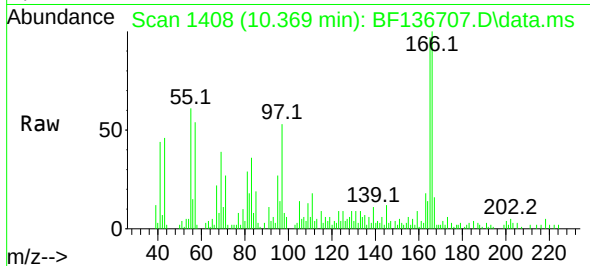
Tgt Ion:	152	Resp:	22549
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.4
153	14.1	10.2	15.2





#58
Fluorene
Concen: 2.117 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

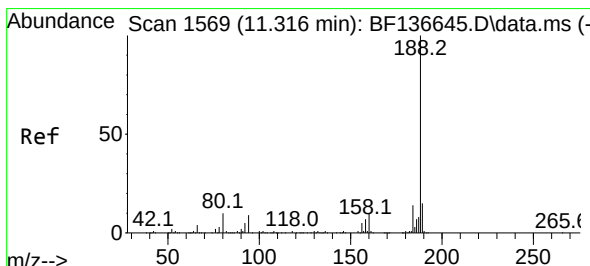
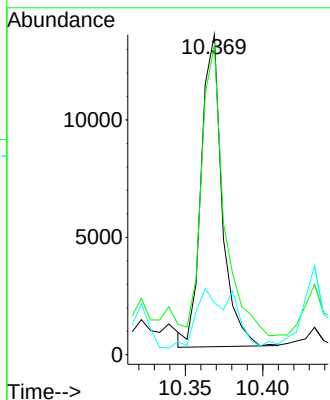
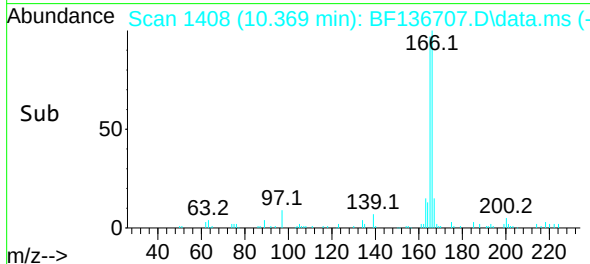
Instrument :
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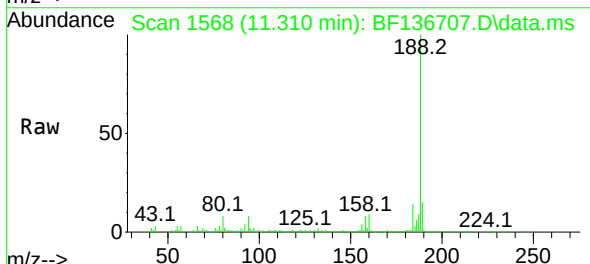
Tgt Ion:166 Resp: 1240
Ion Ratio Lower Upper
166 100
165 96.7 73.7 110.5
167 16.3 10.4 15.6

Manual Integrations
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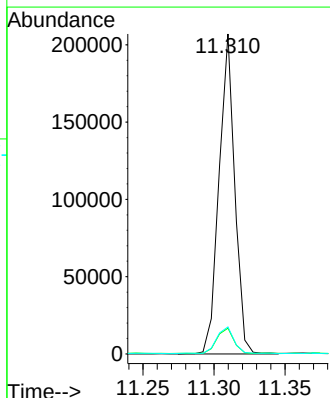
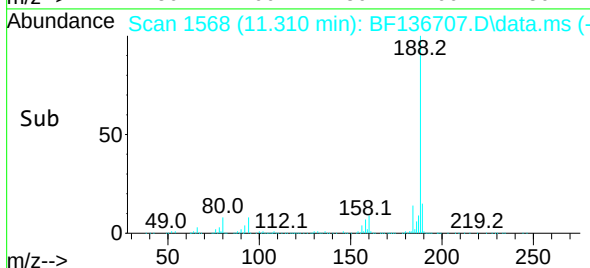
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

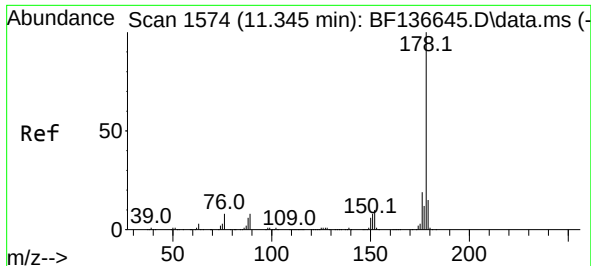


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47



Tgt Ion:188 Resp: 159246
Ion Ratio Lower Upper
188 100
94 8.1 7.5 11.3
80 8.4 8.1 12.1





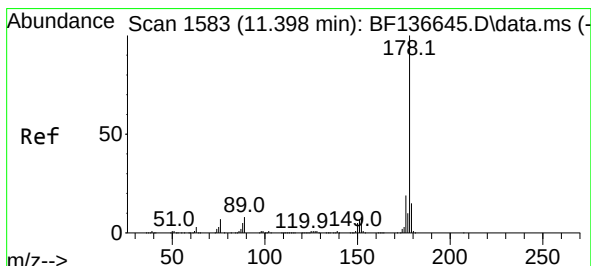
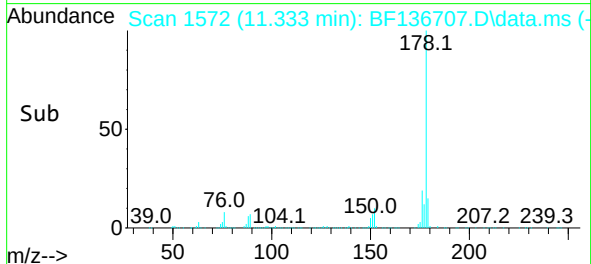
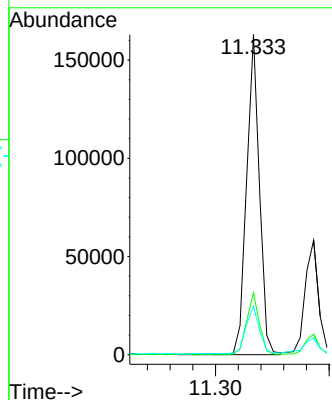
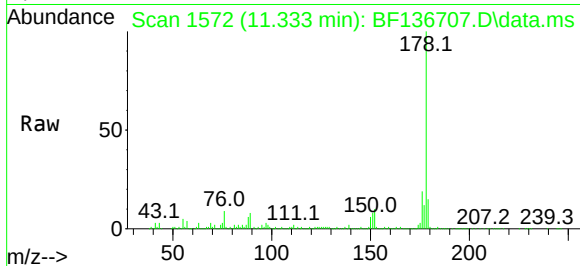
#71
Phenanthrene
Concen: 15.657 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Instrument :
BNA_F
ClientSampleId :
PL-01-122023

Tgt Ion:178 Resp: 127930
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.2 11.9 17.9

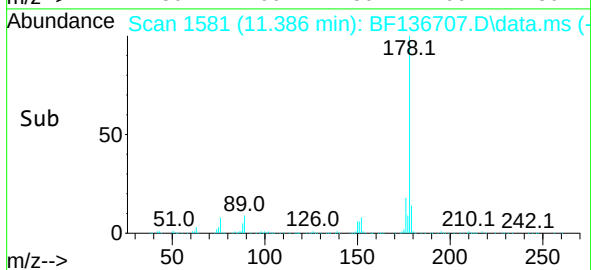
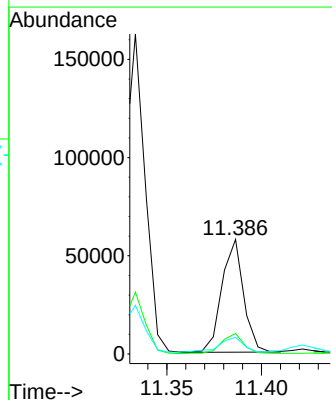
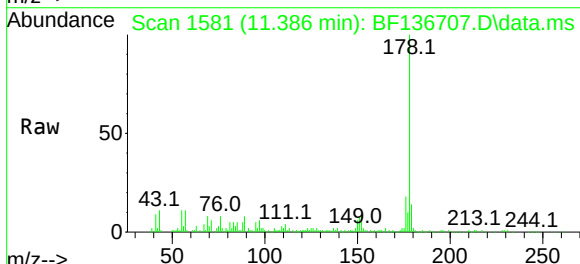
Manual Integrations
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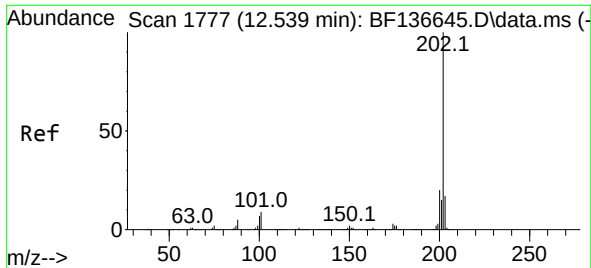
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#72
Anthracene
Concen: 5.554 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:178 Resp: 45957
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 14.5 11.8 17.6





#75
Fluoranthene
Concen: 37.726 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

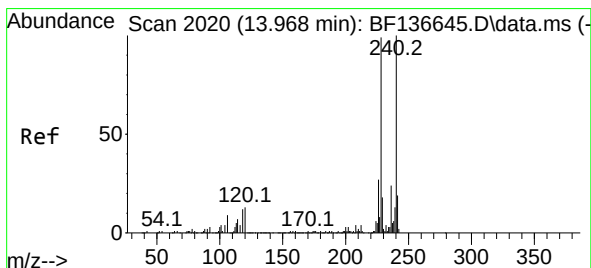
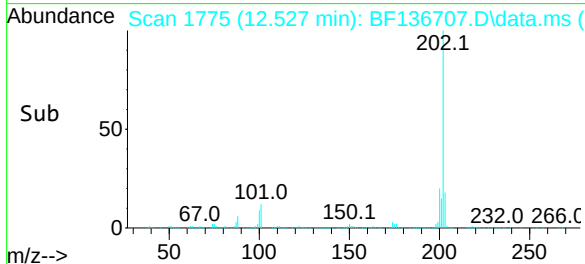
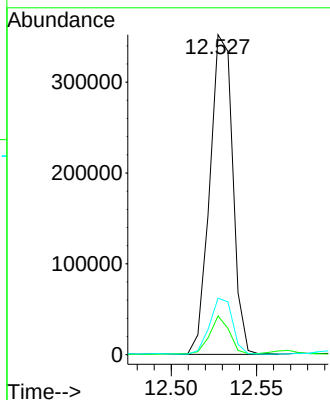
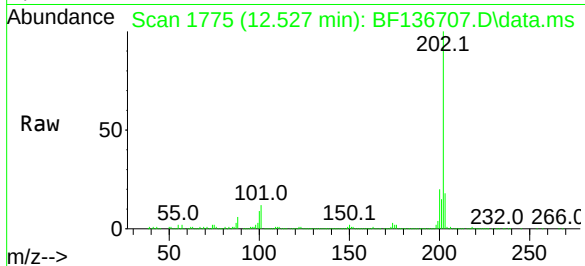
PL-01-122023

Tgt Ion:202 Resp: 329730
Ion Ratio Lower Upper
202 100
101 12.1 0.0 29.3
203 17.6 0.0 37.1

Manual Integrations

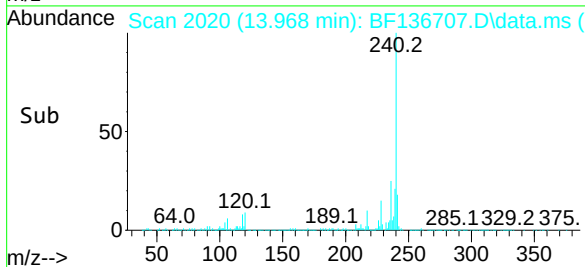
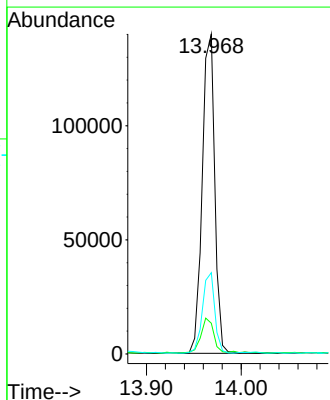
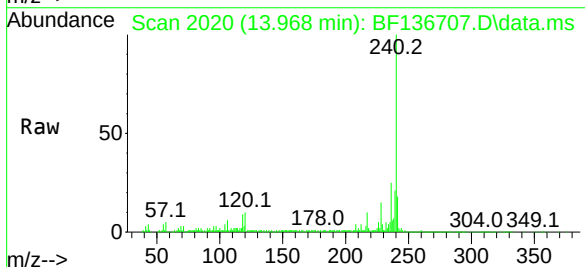
APPROVED

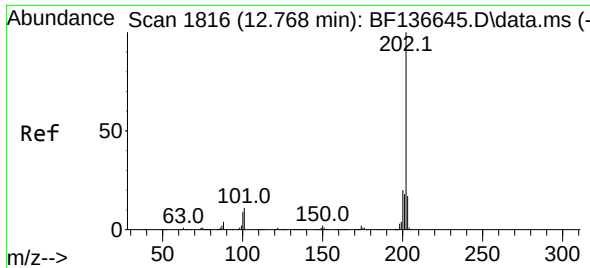
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

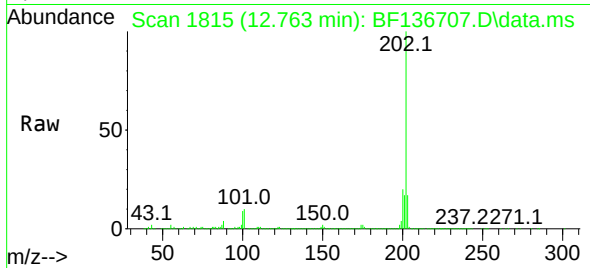
Tgt Ion:240 Resp: 128388
Ion Ratio Lower Upper
240 100
120 9.6 10.3 15.5#
236 25.4 19.4 29.2





#78
Pyrene
Concen: 24.916 ng
RT: 12.763 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

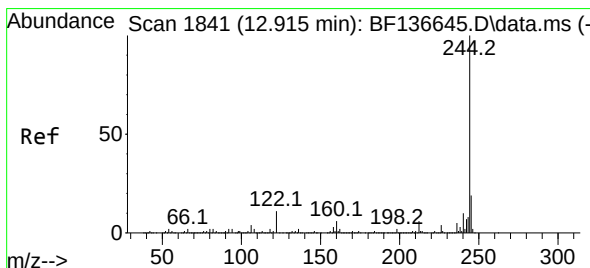
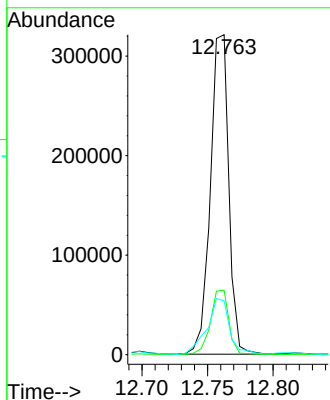
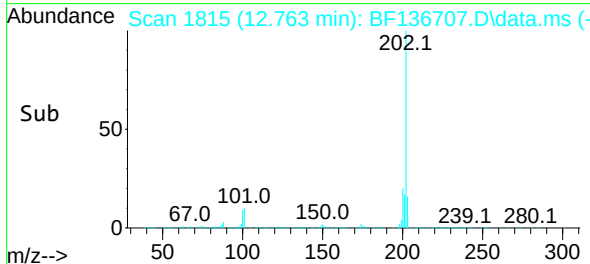
Instrument :
BNA_F
ClientSampleId :
PL-01-122023



Tgt Ion:202 Resp: 314029
Ion Ratio Lower Upper
202 100
200 20.1 15.9 23.9
203 16.8 13.8 20.6

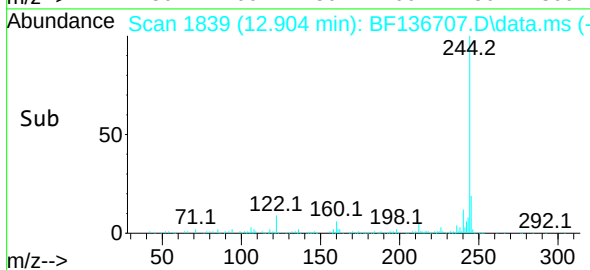
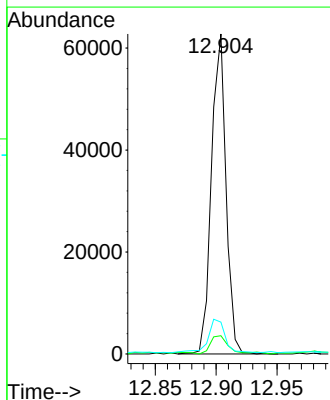
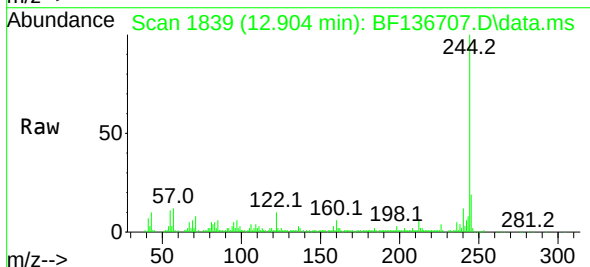
Manual Integrations
APPROVED

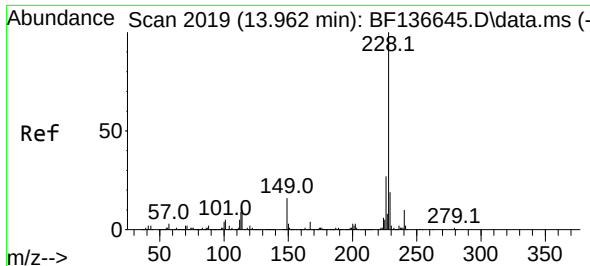
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#79
Terphenyl-d14
Concen: 5.656 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:244 Resp: 51967
Ion Ratio Lower Upper
244 100
212 5.7 5.0 7.4
122 9.9 9.0 13.4





#81
Benzo(a)anthracene
Concen: 17.961 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

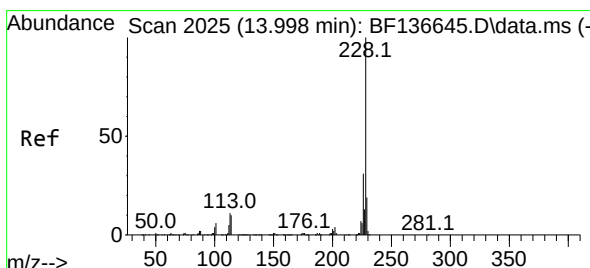
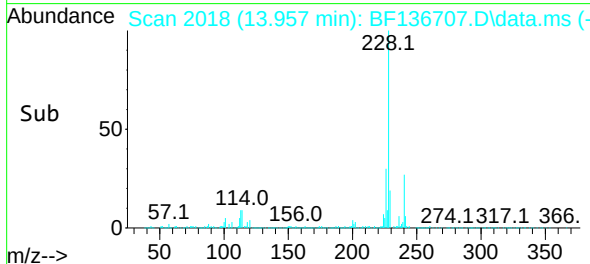
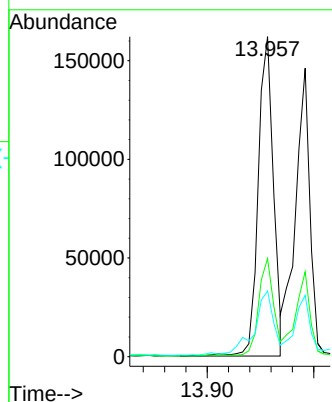
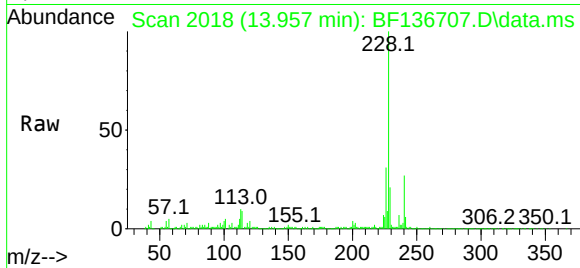
ClientSampleId :

PL-01-122023

Tgt Ion:228 Resp: 16012
Ion Ratio Lower Upper
228 100
226 30.7 21.4 32.0
229 20.5 14.9 22.3

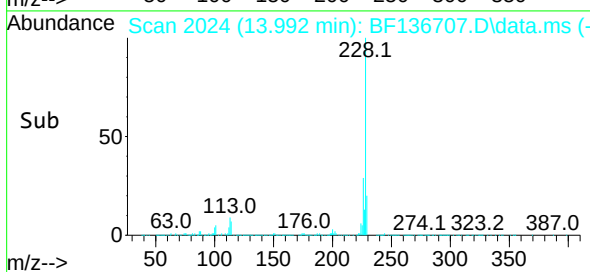
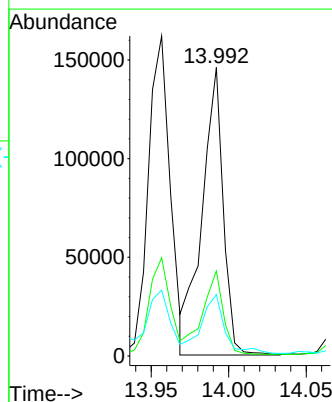
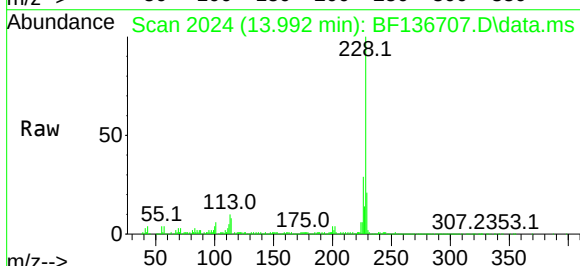
Manual Integrations
APPROVED

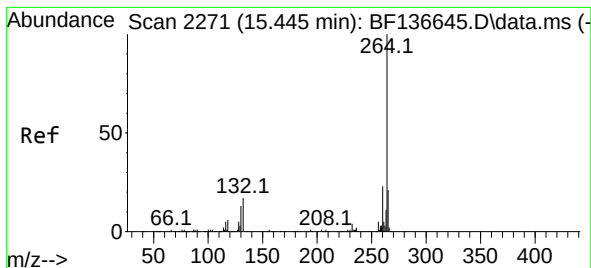
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#83
Chrysene
Concen: 15.920 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:228 Resp: 138795
Ion Ratio Lower Upper
228 100
226 29.5 24.7 37.1
229 21.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

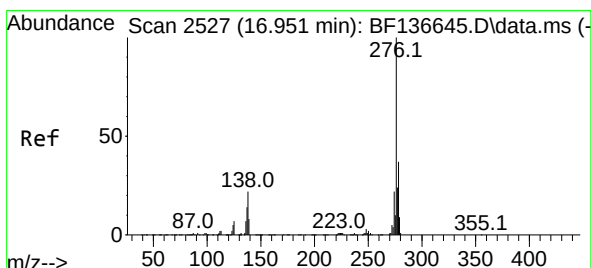
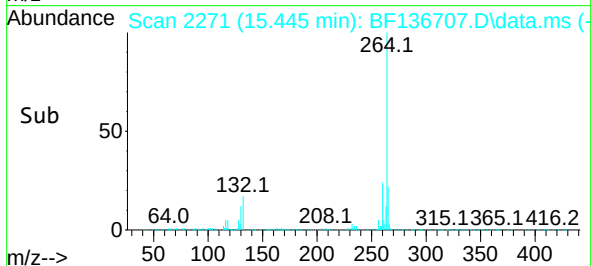
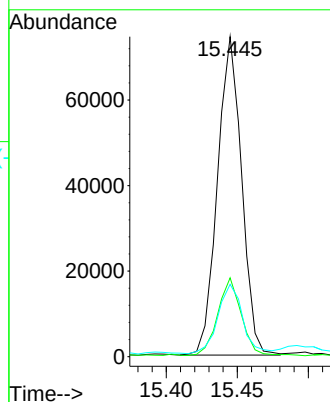
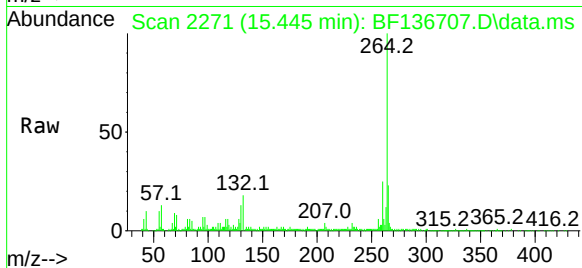
PL-01-122023

Tgt Ion:	264	Resp:	88060
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.3	27.5
265	22.6	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.888 ng

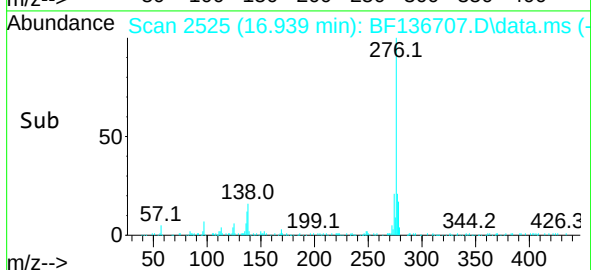
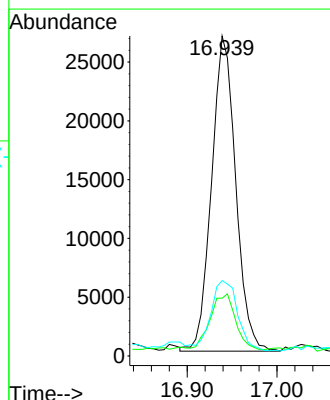
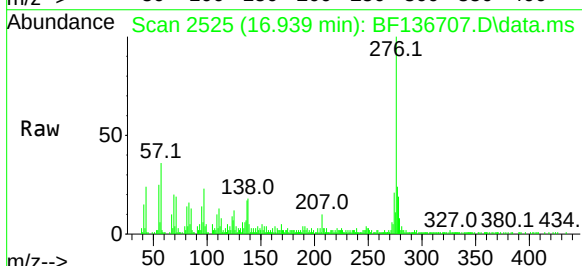
RT: 16.939 min Scan# 2525

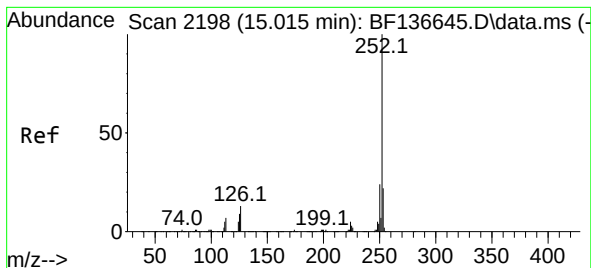
Delta R.T. -0.012 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Tgt Ion:	276	Resp:	50153
Ion Ratio	Lower	Upper	
276	100		
138	18.3	18.7	28.1#
277	24.2	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 21.050 ng m

RT: 15.010 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136707.D

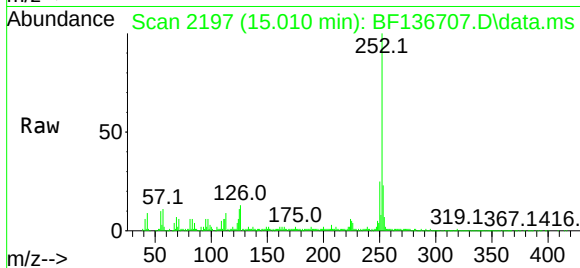
Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023



Tgt Ion:252 Resp: 123814

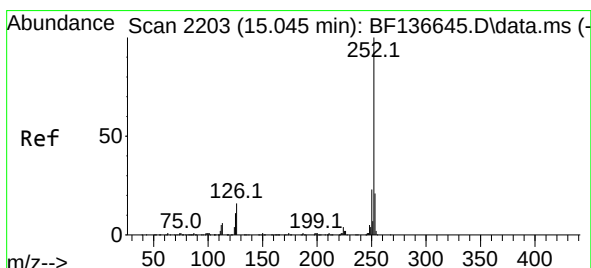
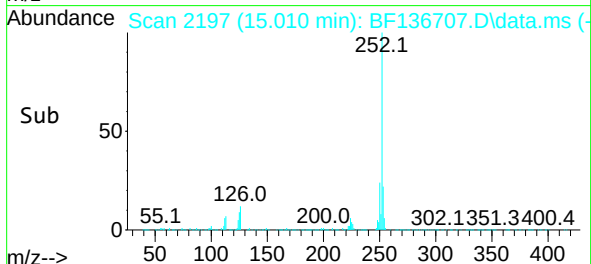
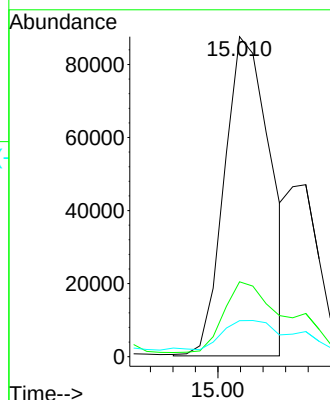
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.3	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#89

Benzo(k)fluoranthene

Concen: 8.424 ng m

RT: 15.039 min Scan# 2202

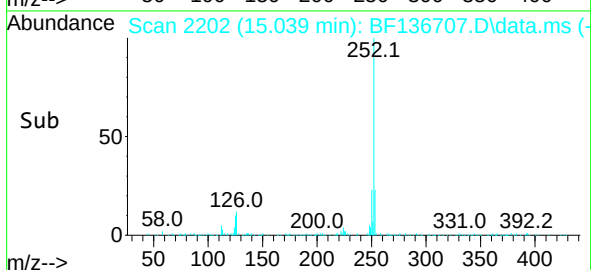
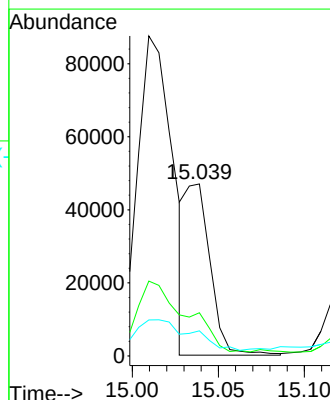
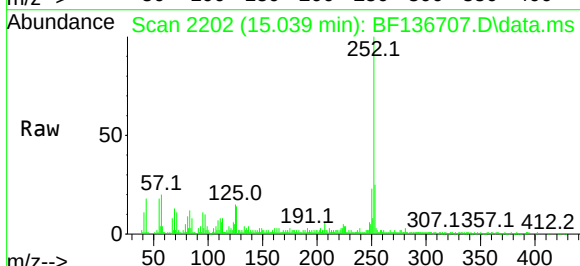
Delta R.T. -0.006 min

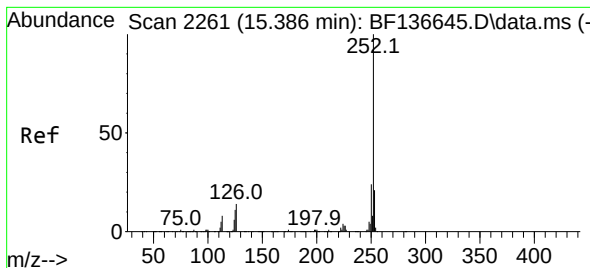
Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Tgt Ion:252 Resp: 46819

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	14.6	8.2	12.4





#90

Benzo(a)pyrene

Concen: 17.597 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

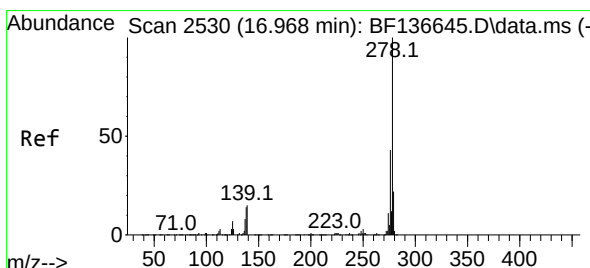
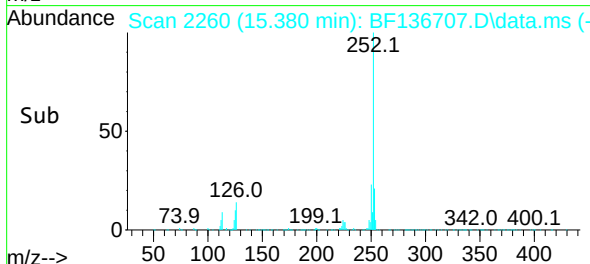
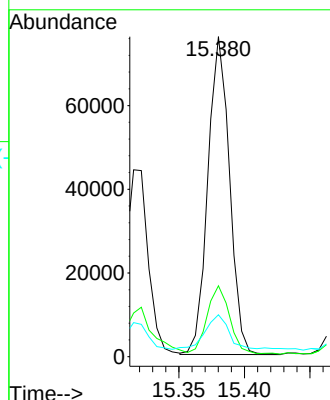
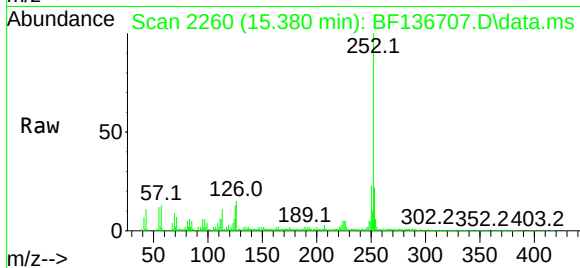
PL-01-122023

Tgt Ion:	252	Resp:	87368
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	13.1	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.579 ng

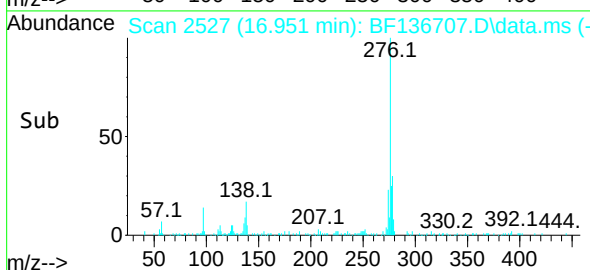
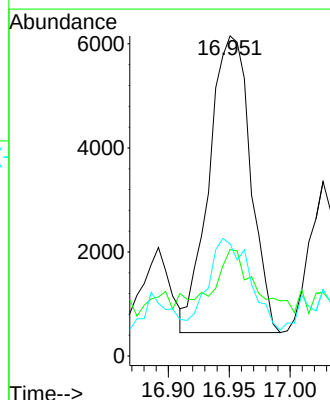
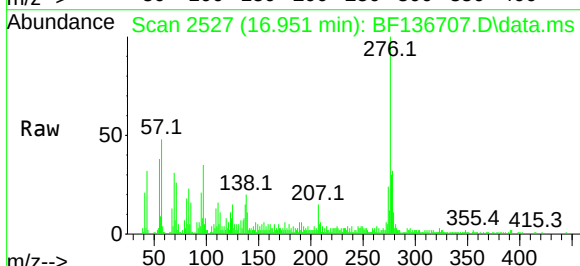
RT: 16.951 min Scan# 2527

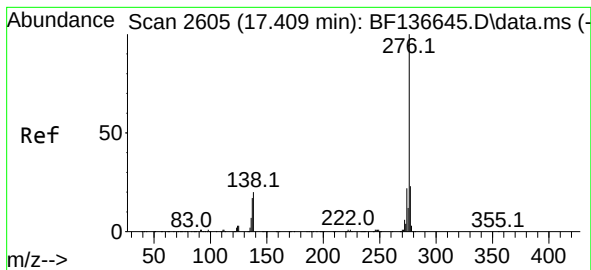
Delta R.T. -0.017 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Tgt Ion:	278	Resp:	13454
Ion Ratio	Lower	Upper	
278	100		
139	33.2	12.2	18.4#
279	35.0	17.8	26.6#





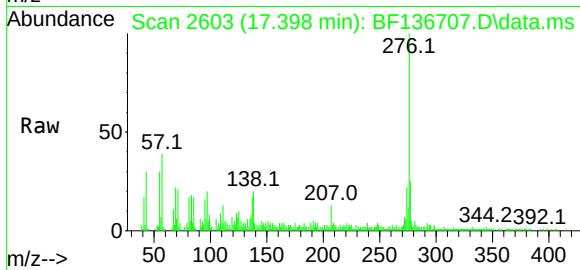
#92
Benzo(g,h,i)perylene
Concen: 8.619 ng
RT: 17.398 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023



Tgt Ion:276 Resp: 46050
Ion Ratio Lower Upper
276 100
277 24.8 18.3 27.5
138 20.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023

