

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136708.D
 Acq On : 23 Dec 2023 03:20
 Operator : CG\JU
 Sample : 05940-03 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-122023

Manual Integrations
 APPROVED

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

Quant Time: Dec 23 03:46:07 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	53614	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	166606	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	69415	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	143923	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	115802	20.000	ng	0.00
86) Perylene-d12	15.445	264	80563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	27628	8.040	ng	0.00
7) Phenol-d6	6.428	99	31531	7.082	ng	-0.01
23) Nitrobenzene-d5	7.339	82	18103	5.560	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	6303	7.710	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	30380	5.886	ng	-0.02
79) Terphenyl-d14	12.904	244	37183	4.487	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.527	202	46588	5.898	ng	99
78) Pyrene	12.757	202	46524	4.093	ng	97
81) Benzo(a)anthracene	13.951	228	22782	2.833	ng	95
83) Chrysene	13.986	228	20044m	2.549	ng	
88) Benzo(b)fluoranthene	15.009	252	20284m	3.770	ng	
90) Benzo(a)pyrene	15.380	252	14607	3.216	ng	# 78

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

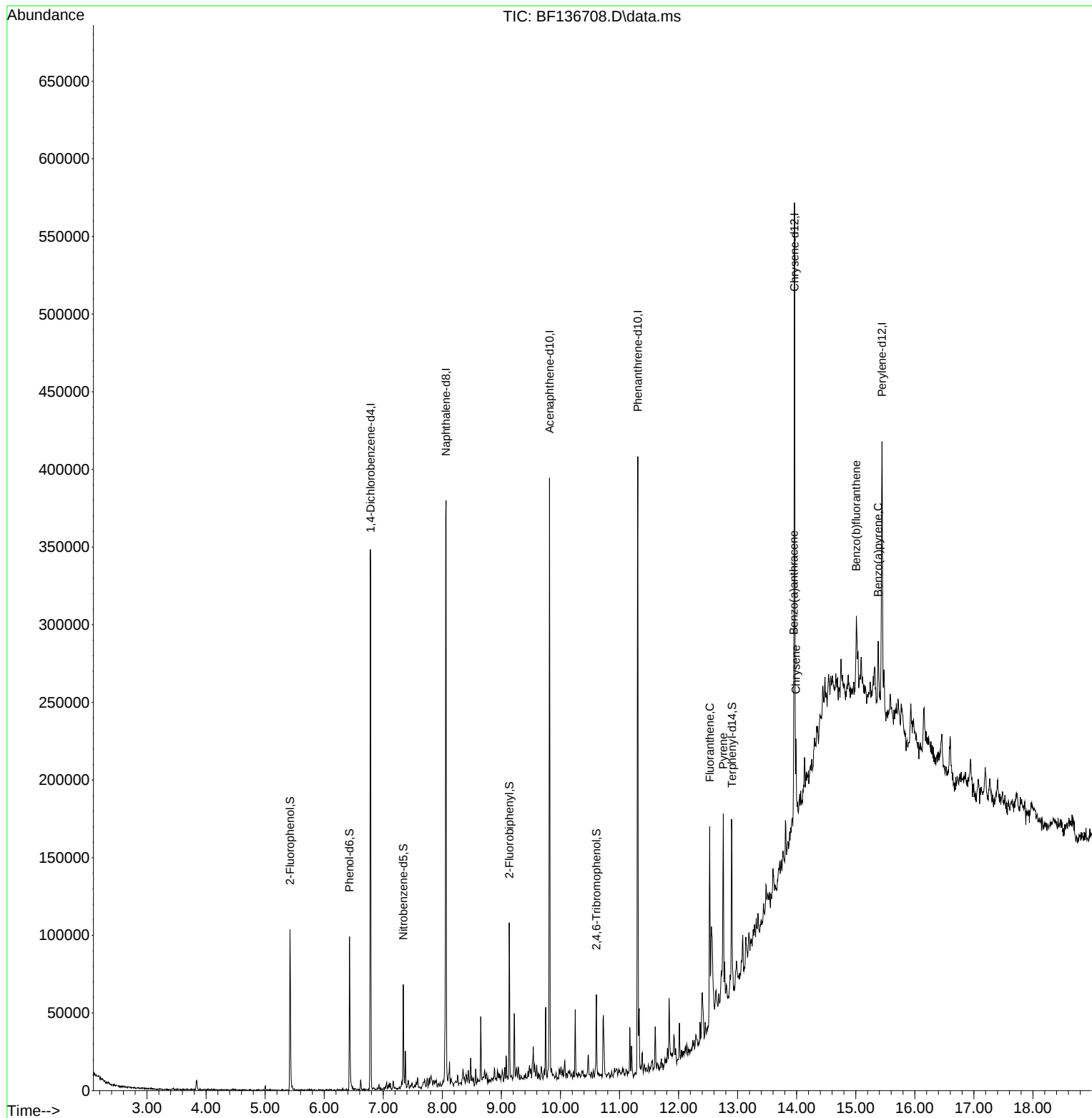
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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ALS Vial : 22 Sample Multiplier: 1

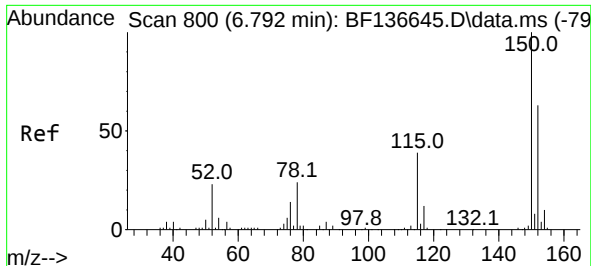
Instrument :
BNA_F
ClientSampleId :
PL-02-122023

Quant Time: Dec 23 03:46:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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QLast Update : Thu Dec 21 01:54:25 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 70
Delta R.T. -0.005 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

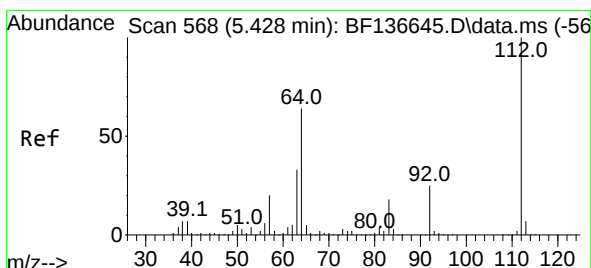
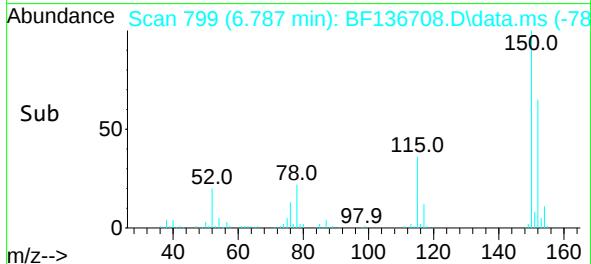
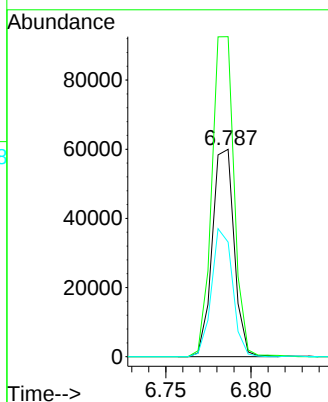
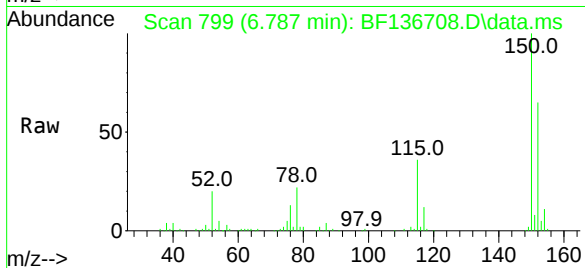
PL-02-122023

Tgt Ion:152 Resp: 53614
Ion Ratio Lower Upper
152 100
150 154.4 127.0 190.6
115 55.3 49.0 73.4

Manual Integrations

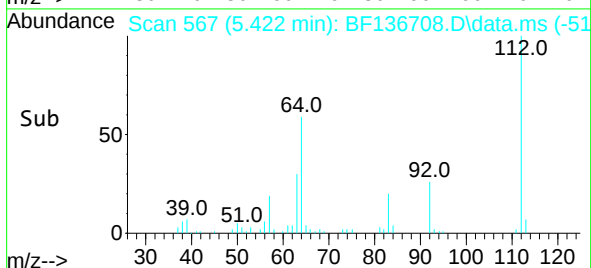
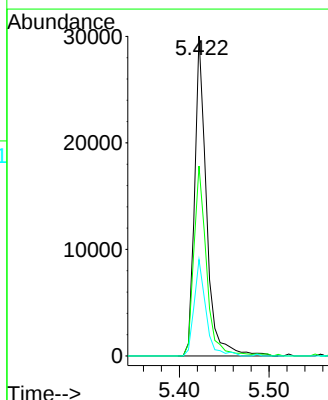
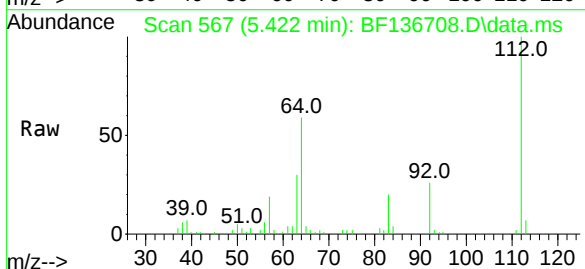
APPROVED

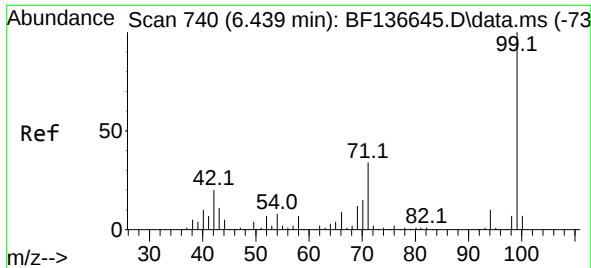
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#5
2-Fluorophenol
Concen: 8.040 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Tgt Ion:112 Resp: 27628
Ion Ratio Lower Upper
112 100
64 59.4 51.1 76.7
63 30.1 26.1 39.1





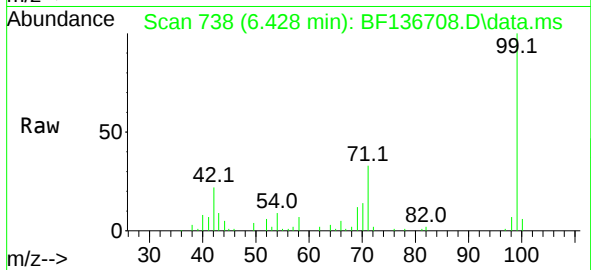
#7
Phenol-d6
Concen: 7.082 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

PL-02-122023

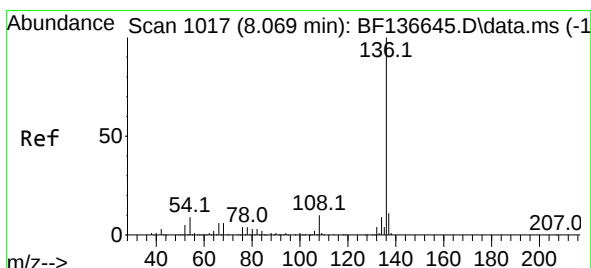
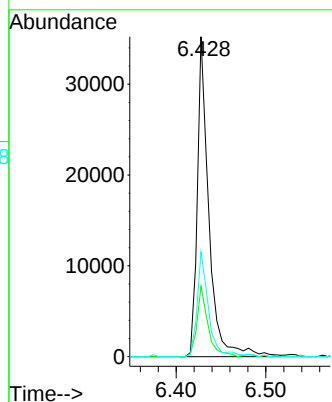
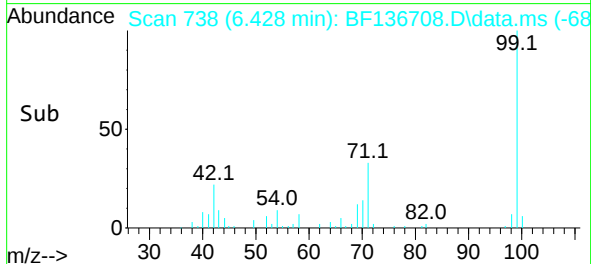


Tgt Ion: 99 Resp: 3153
Ion Ratio Lower Upper
99 100
42 21.9 16.1 24.1
71 32.7 27.4 41.2

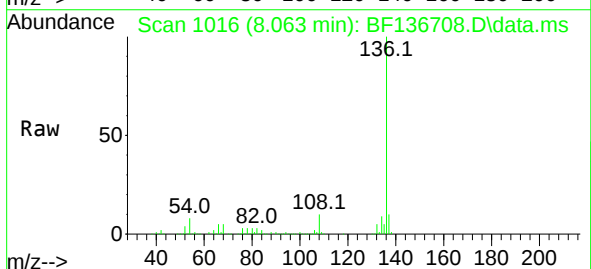
Manual Integrations

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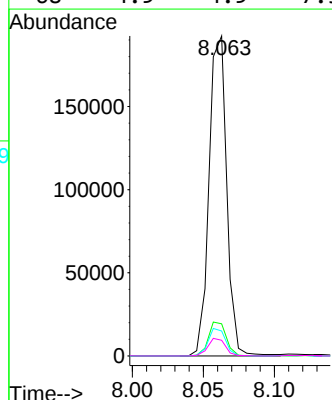
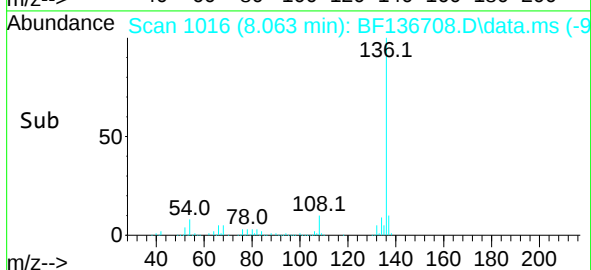
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

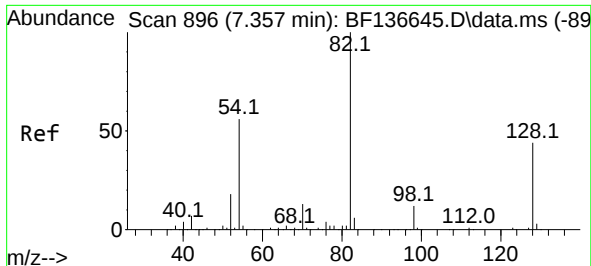


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20



Tgt Ion:136 Resp: 166606
Ion Ratio Lower Upper
136 100
137 10.0 9.0 13.4
54 7.8 7.2 10.8
68 4.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 5.560 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

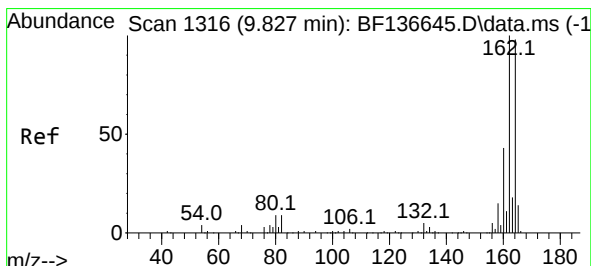
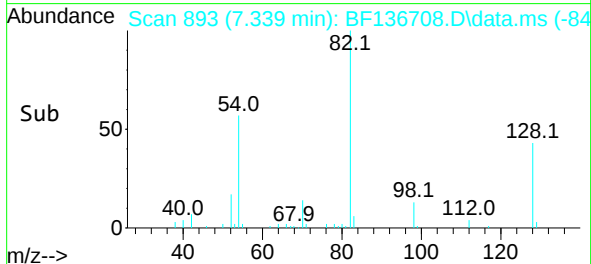
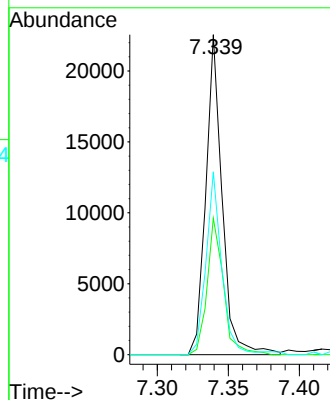
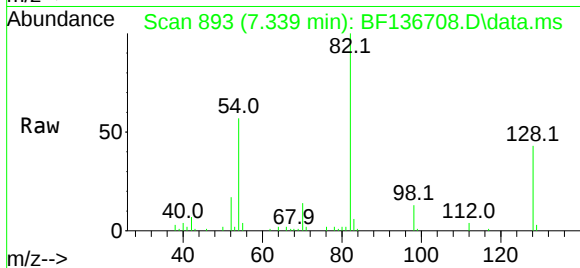
PL-02-122023

Tgt Ion:	82	Resp:	1810
Ion Ratio	Lower	Upper	
82	100		
128	42.6	35.3	52.9
54	57.2	44.5	66.7

Manual Integrations

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



#39

Acenaphthene-d10

Concen: 20.000 ng

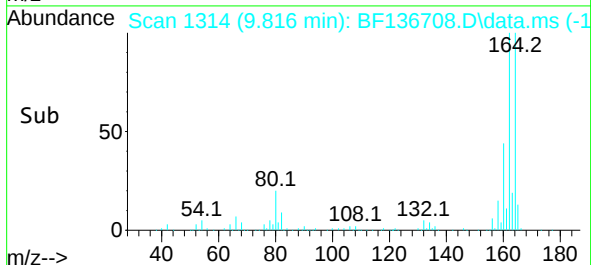
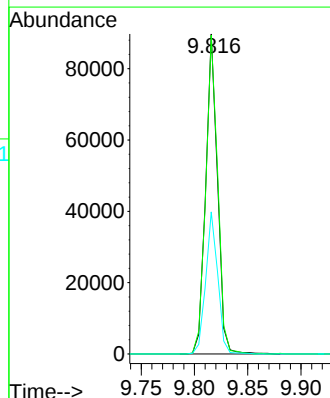
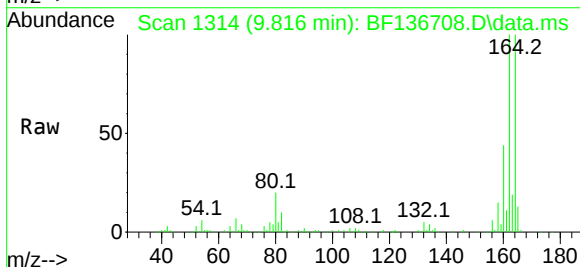
RT: 9.816 min Scan# 1314

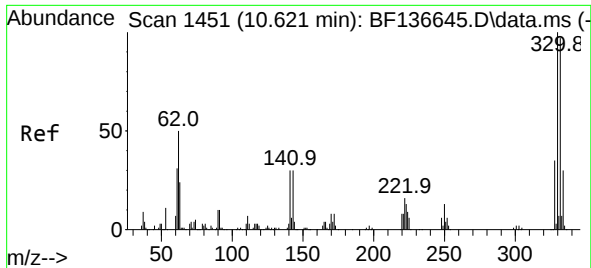
Delta R.T. -0.012 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Tgt Ion:	164	Resp:	69415
Ion Ratio	Lower	Upper	
164	100		
162	99.6	81.6	122.4
160	44.4	34.9	52.3





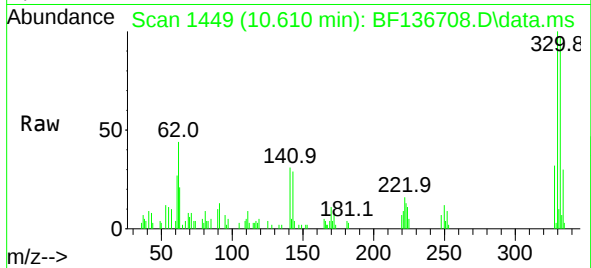
#42
2,4,6-Tribromophenol
Concen: 7.710 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

PL-02-122023



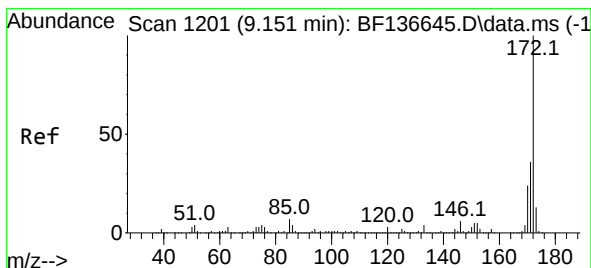
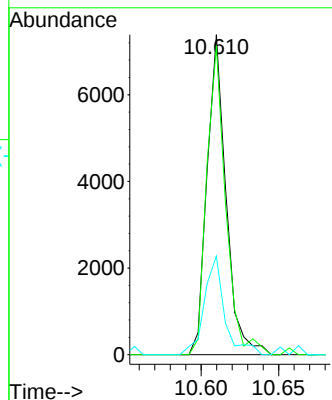
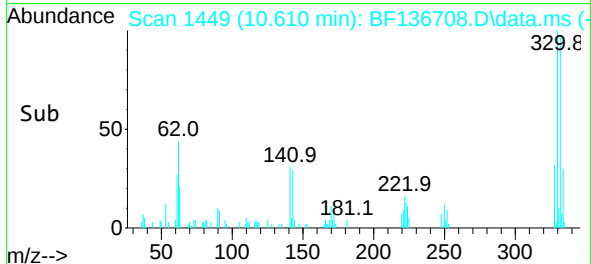
Tgt Ion: 330 Resp: 630
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 32.7 23.4 35.2

Manual Integrations

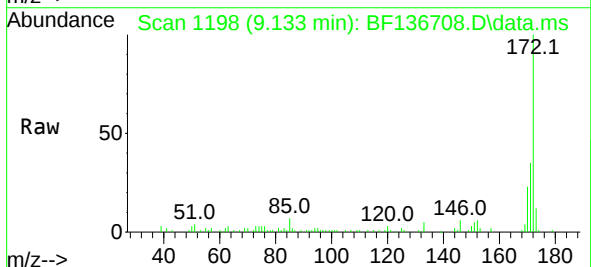
APPROVED

Reviewed By : Yogesh Patel 12/25/2023

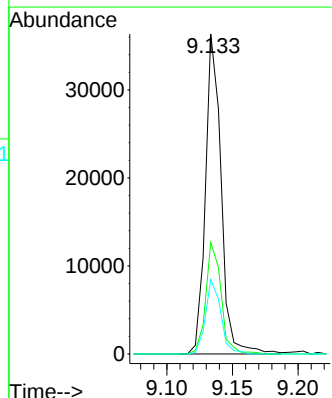
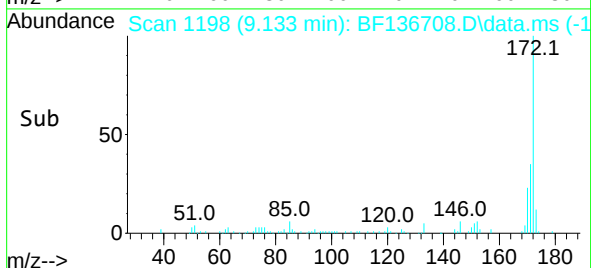
Supervised By : mohammad ahmed 12/25/2023

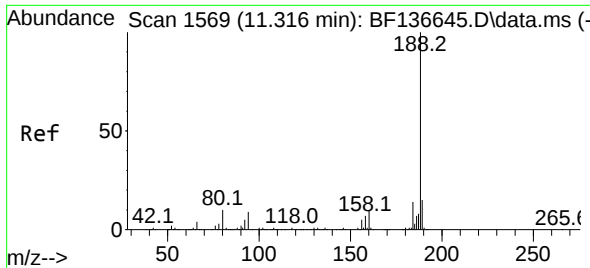


#45
2-Fluorobiphenyl
Concen: 5.886 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20



Tgt Ion: 172 Resp: 30380
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.6
170 23.3 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

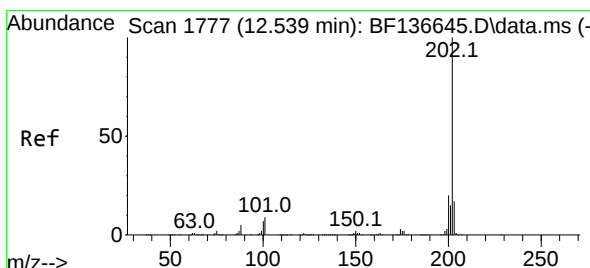
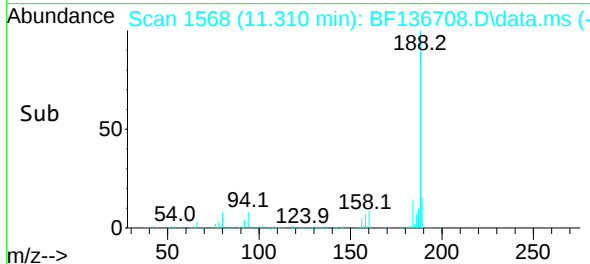
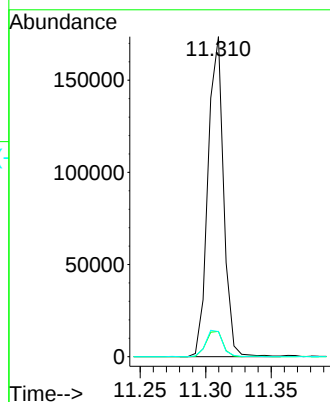
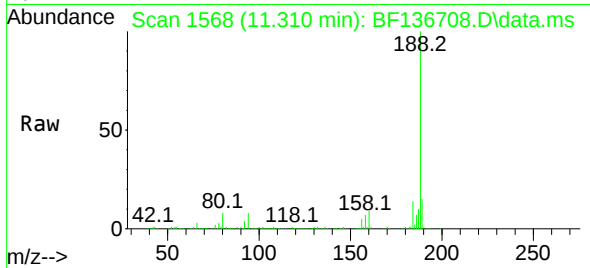
PL-02-122023

Tgt Ion:188 Resp: 14392
Ion Ratio Lower Upper
188 100
94 7.9 7.5 11.3
80 7.9 8.1 12.1

Manual Integrations

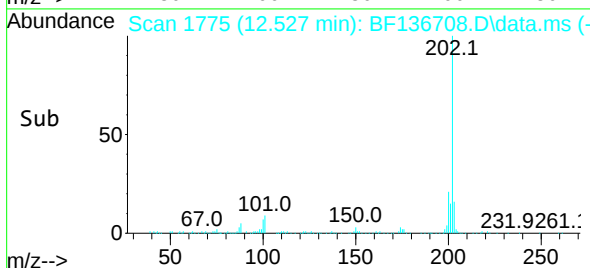
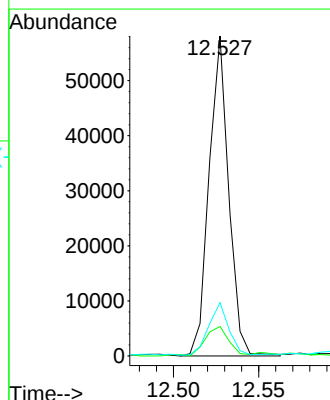
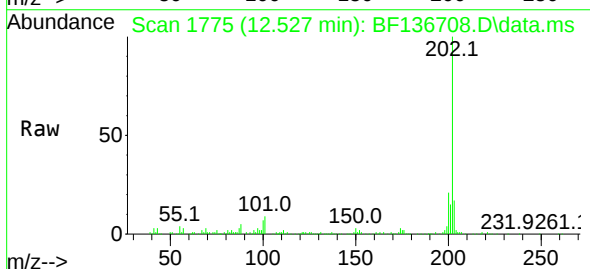
APPROVED

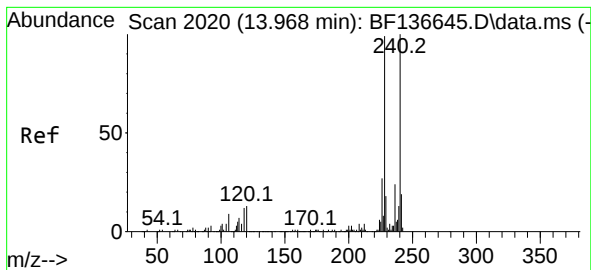
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#75
Fluoranthene
Concen: 5.898 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Tgt Ion:202 Resp: 46588
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.3
203 16.6 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: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

PL-02-122023

Tgt Ion:240 Resp: 11580

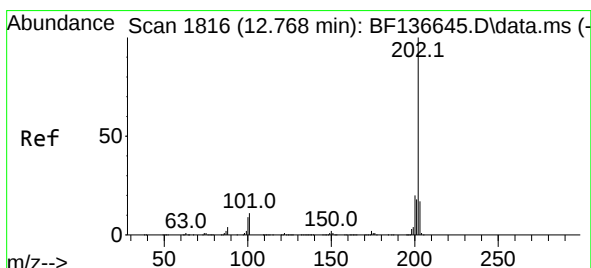
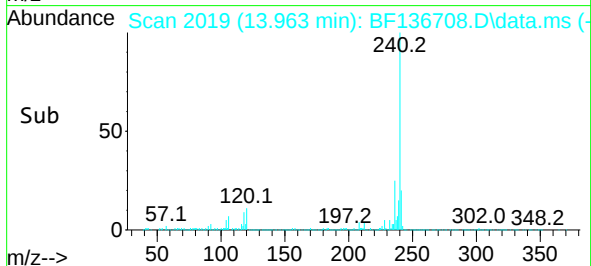
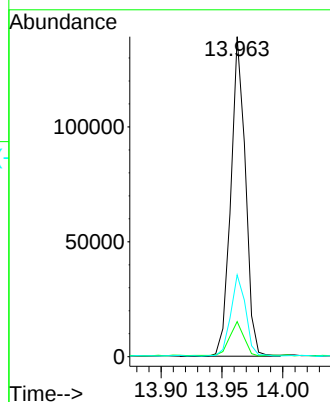
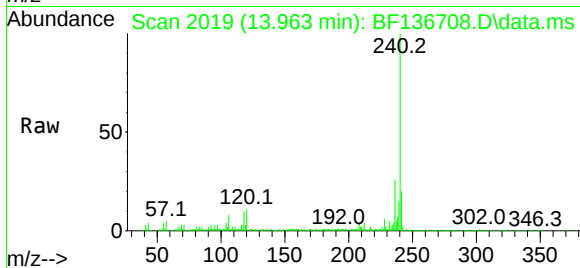
Ion	Ratio	Lower	Upper
240	100		
120	11.0	10.3	15.5
236	25.6	19.4	29.2

Manual Integrations

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Supervised By :mohammad ahmed 12/25/2023



#78

Pyrene

Concen: 4.093 ng

RT: 12.757 min Scan# 1814

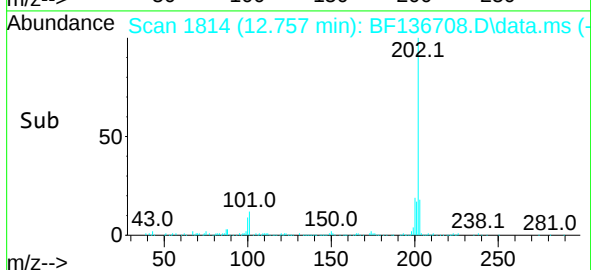
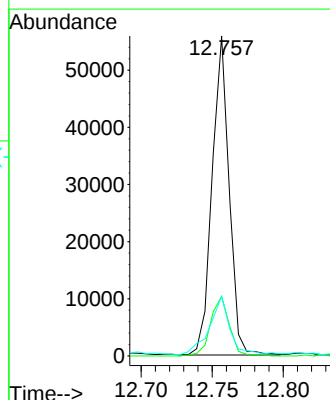
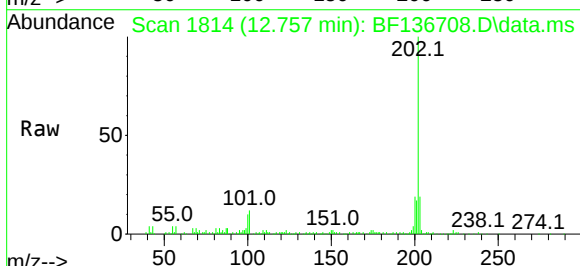
Delta R.T. -0.012 min

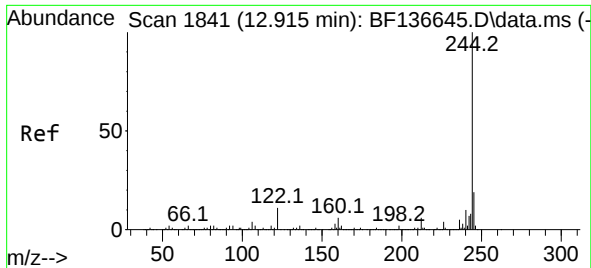
Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Tgt Ion:202 Resp: 46524

Ion	Ratio	Lower	Upper
202	100		
200	18.6	15.9	23.9
203	18.6	13.8	20.6





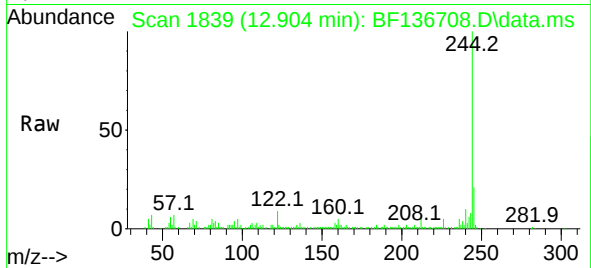
#79
Terphenyl-d14
Concen: 4.487 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

PL-02-122023

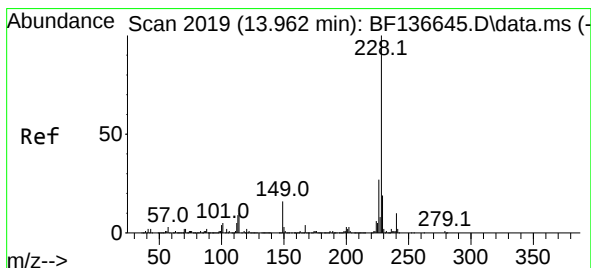
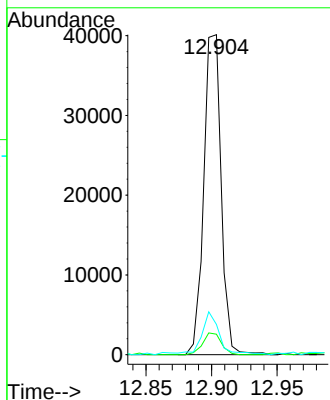
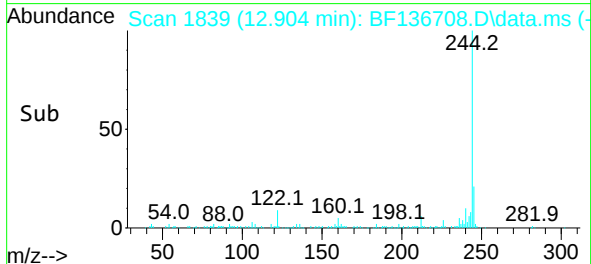


Tgt Ion:244 Resp: 3718
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.4
122 9.4 9.0 13.4

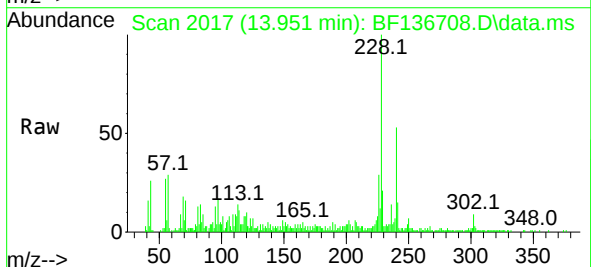
Manual Integrations

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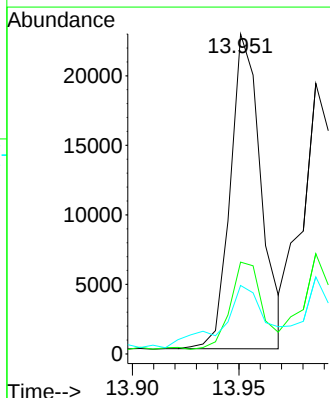
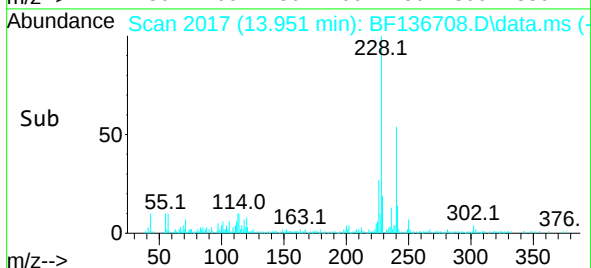
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

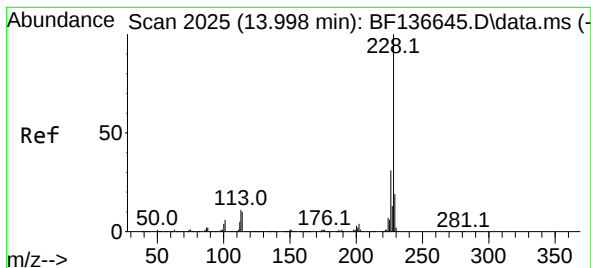


#81
Benzo(a)anthracene
Concen: 2.833 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20



Tgt Ion:228 Resp: 22782
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 21.4 14.9 22.3





#83

Chrysene

Concen: 2.549 ng m

RT: 13.986 min Scan# 2025

Delta R.T. -0.012 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

PL-02-122023

Tgt Ion:228 Resp: 2004

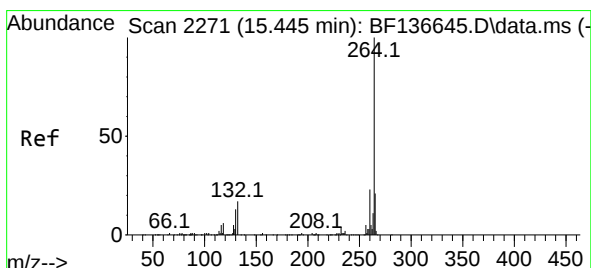
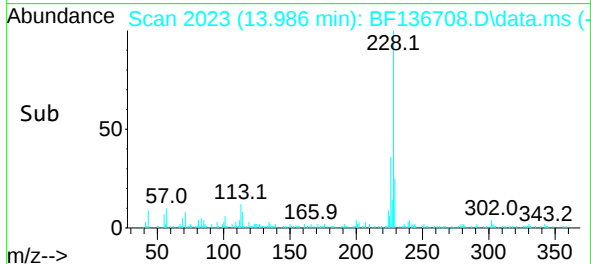
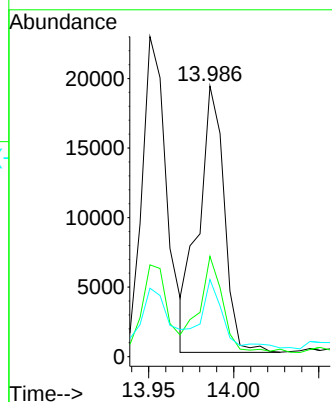
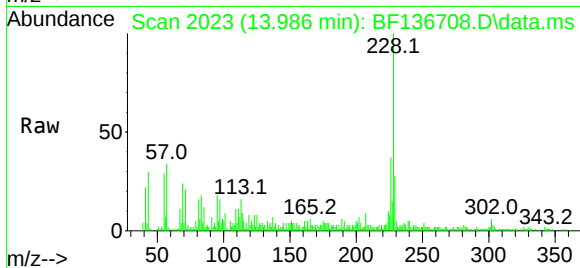
Ion	Ratio	Lower	Upper
228	100		
226	37.1	24.7	37.1
229	28.5	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

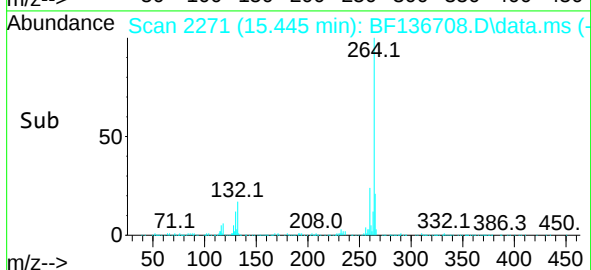
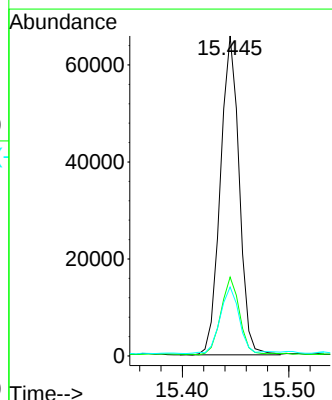
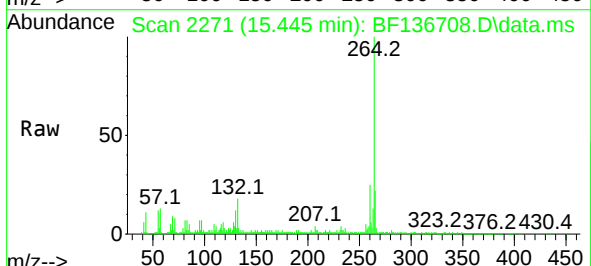
Delta R.T. 0.000 min

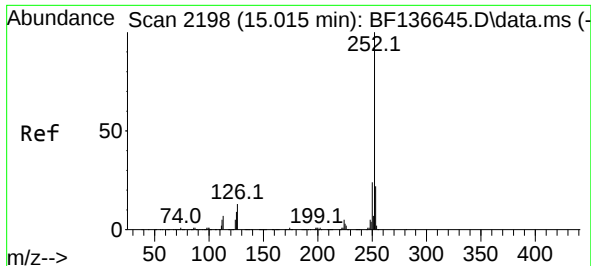
Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Tgt Ion:264 Resp: 80563

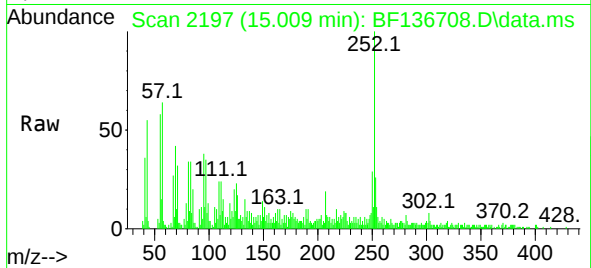
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.3	27.5
265	21.5	17.0	25.6





#88
Benzo(b)fluoranthene
Concen: 3.770 ng m
RT: 15.009 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

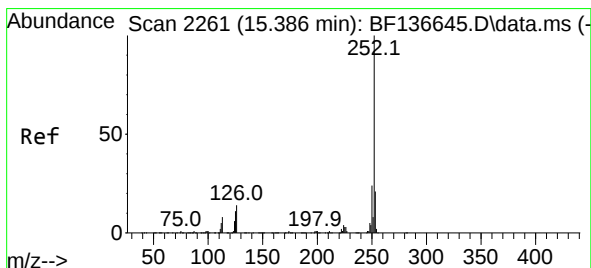
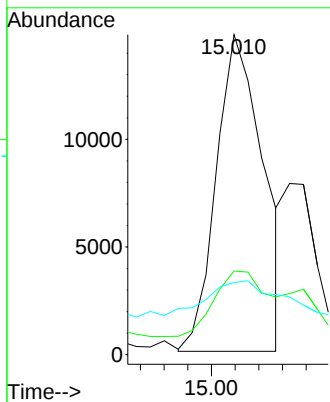
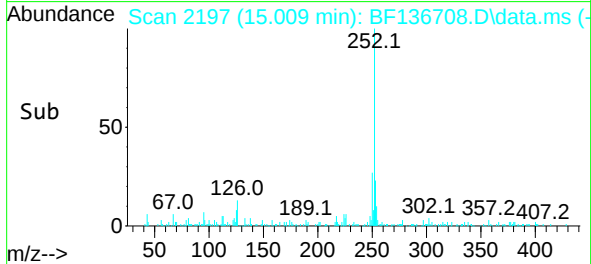
Instrument :
BNA_F
ClientSampleId :
PL-02-122023



Tgt Ion:252 Resp: 20284
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.0#
125 22.6 7.4 11.2#

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 3.216 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Tgt Ion:252 Resp: 14607
Ion Ratio Lower Upper
252 100
253 27.6 17.0 25.6#
125 25.4 8.8 13.2#

