

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136883.D
 Acq On : 02 Jan 2024 21:28
 Operator : CG\JU
 Sample : 05899-23
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-19-0-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/03/2024
 Supervised By :mohammad ahmed 01/03/2024

Quant Time: Jan 03 02:04:54 2024
 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	80546	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	302687	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	157463	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	295881	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	158657	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	163867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	508150	98.436	ng	0.00
7) Phenol-d6	6.428	99	647087	96.738	ng	-0.01
23) Nitrobenzene-d5	7.345	82	402684	68.076	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	181594	97.922	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	801816	68.488	ng	-0.02
79) Terphenyl-d14	12.904	244	782158	68.893	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.363	166	37262	3.255	ng	100
71) Phenanthrene	11.327	178	165104	10.875	ng	99
72) Anthracene	11.380	178	399020	25.952	ng	99
73) Carbazole	11.539	167	119212	8.224	ng	99
75) Fluoranthene	12.521	202	202886	12.493	ng	98
78) Pyrene	12.751	202	157282	10.098	ng	100
81) Benzo(a)anthracene	13.951	228	48862	4.435	ng	97
83) Chrysene	13.986	228	45642	4.237	ng	97
88) Benzo(b)fluoranthene	15.004	252	44092m	4.029	ng	
90) Benzo(a)pyrene	15.374	252	35667	3.861	ng	97
92) Benzo(g,h,i)perylene	17.392	276	22584	2.272	ng	96

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

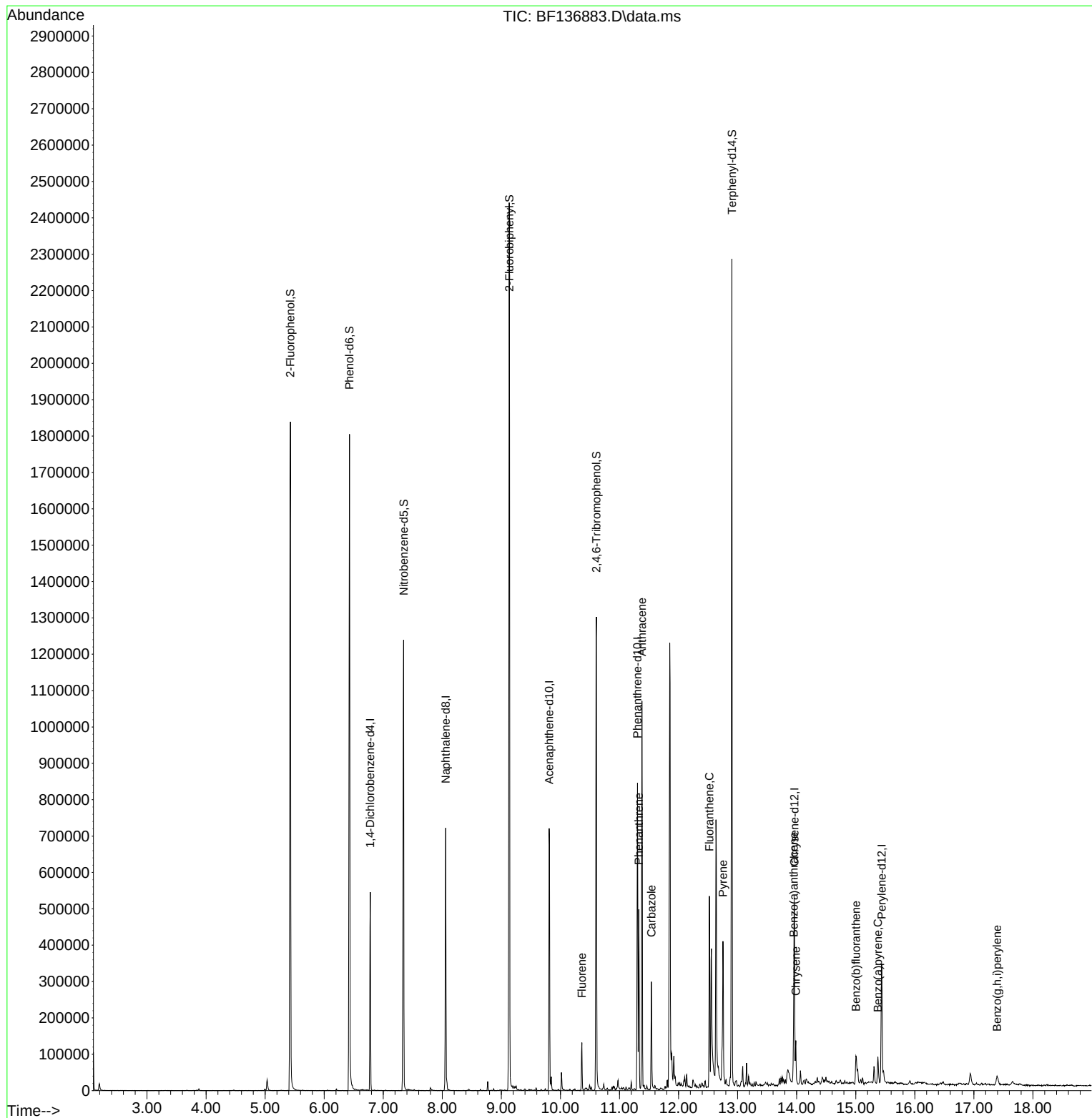
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
Data File : BF136883.D
Acq On : 02 Jan 2024 21:28
Operator : CG\JU
Sample : 05899-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

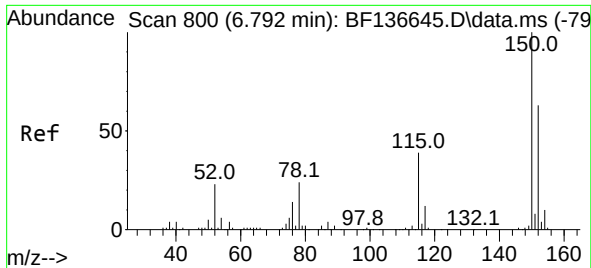
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

Quant Time: Jan 03 02:04:54 2024
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
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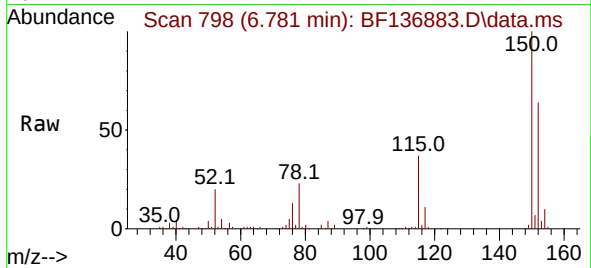
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

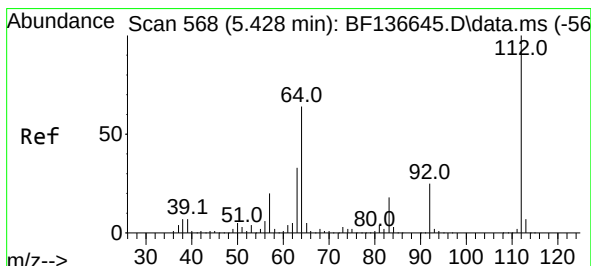
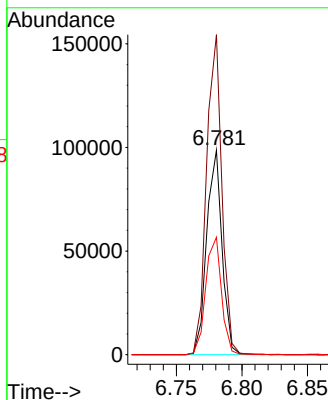
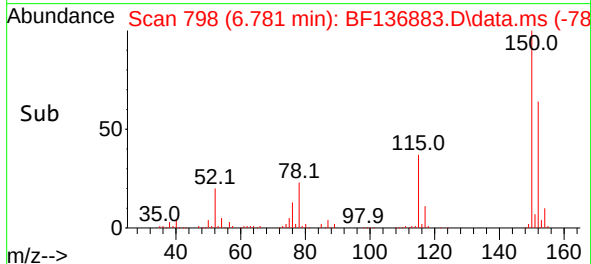
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2



Tgt Ion:152 Resp: 80540
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.6
115 57.4 49.0 73.4

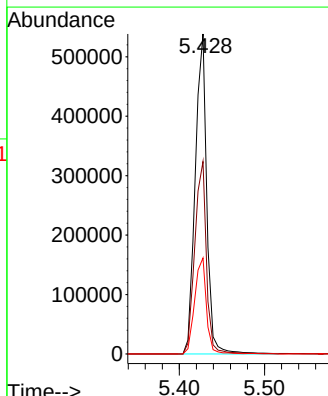
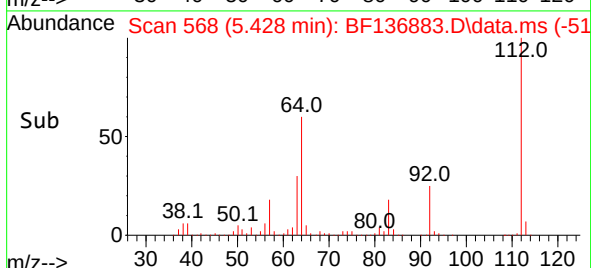
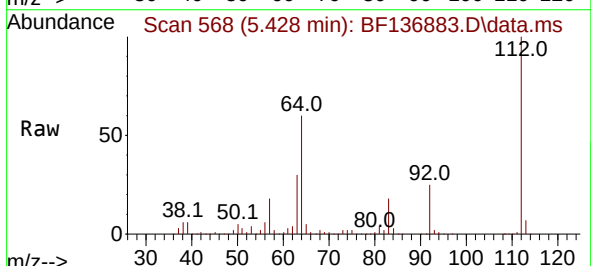
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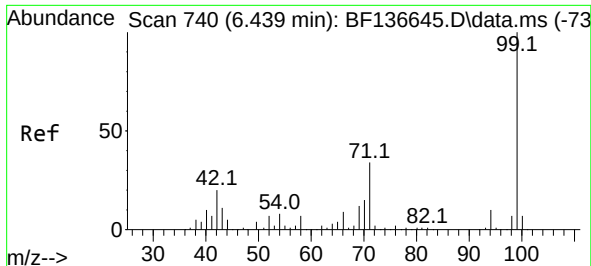
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#5
2-Fluorophenol
Concen: 98.436 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Tgt Ion:112 Resp: 508150
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 30.0 26.1 39.1





#7

Phenol-d6

Concen: 96.738 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136883.D

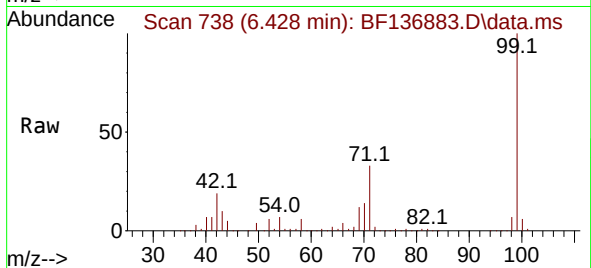
Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2



Tgt Ion: 99 Resp: 64708

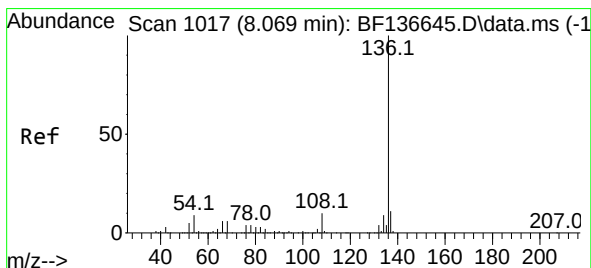
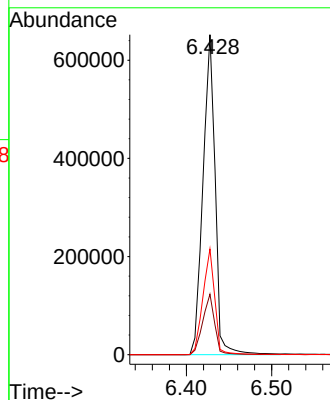
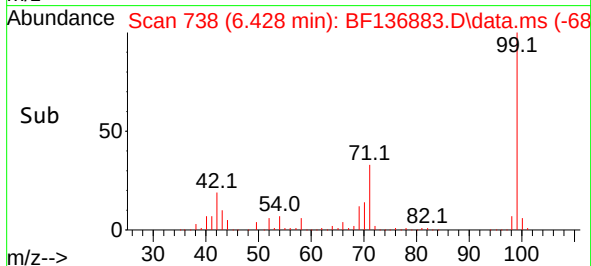
Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.1	24.1
71	33.1	27.4	41.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

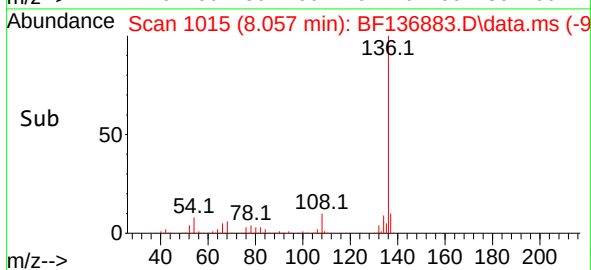
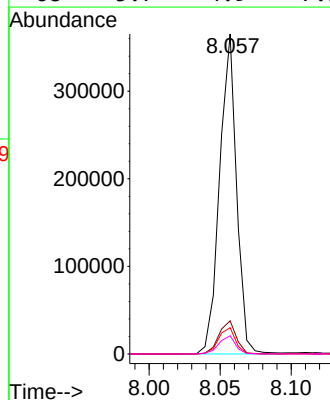
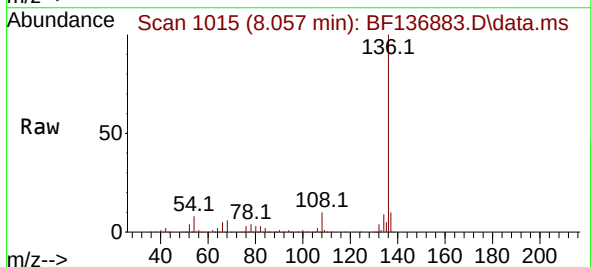
Delta R.T. -0.012 min

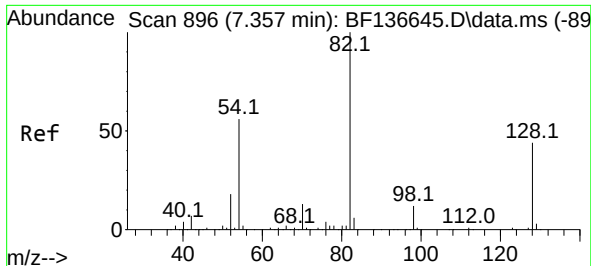
Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Tgt Ion:136 Resp: 302687

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	8.2	7.2	10.8
68	5.7	4.9	7.3





#23

Nitrobenzene-d5

Concen: 68.076 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

Tgt Ion: 82 Resp: 402684

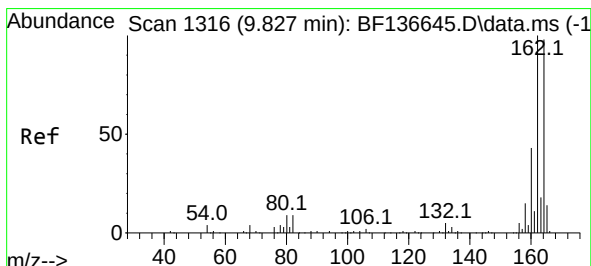
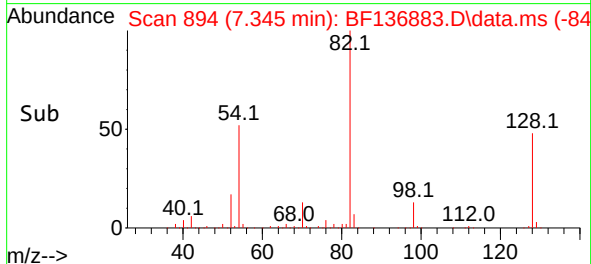
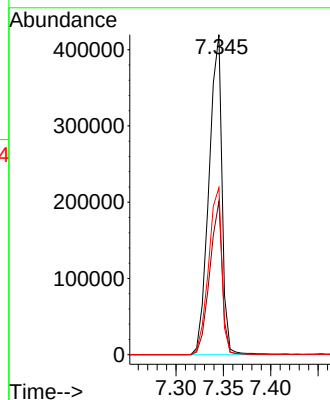
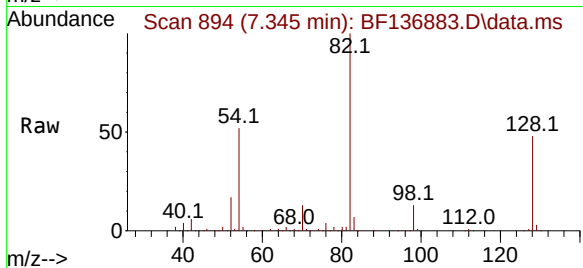
Ion	Ratio	Lower	Upper
82	100		
128	48.0	35.3	52.9
54	52.2	44.5	66.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

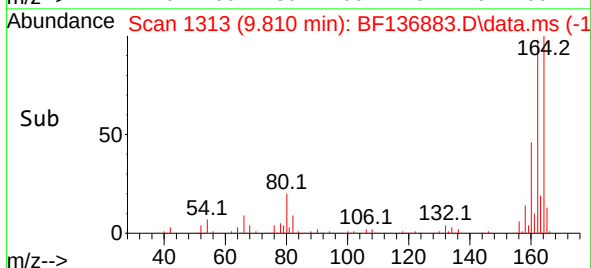
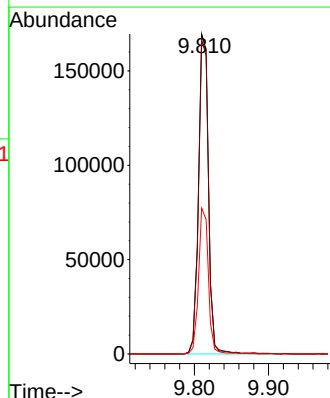
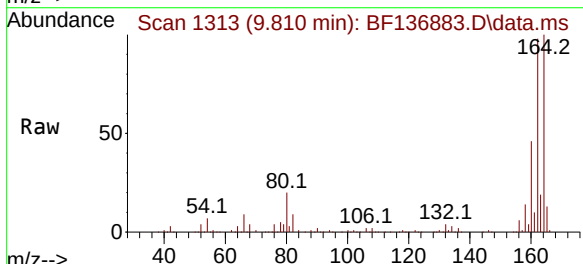
Delta R.T. -0.018 min

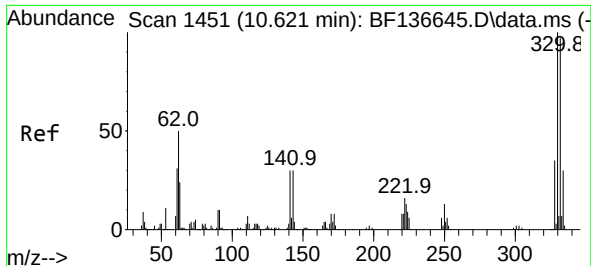
Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Tgt Ion:164 Resp: 157463

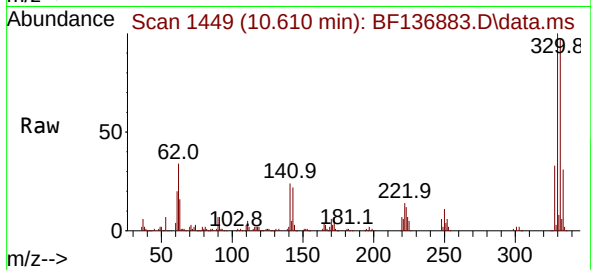
Ion	Ratio	Lower	Upper
164	100		
162	98.2	81.6	122.4
160	45.6	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 97.922 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

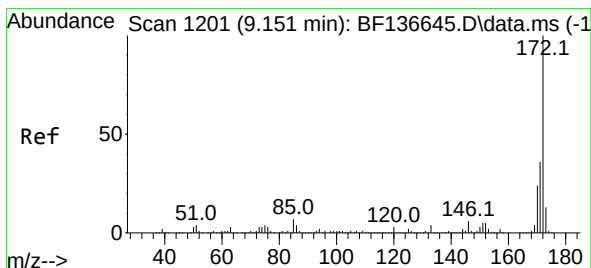
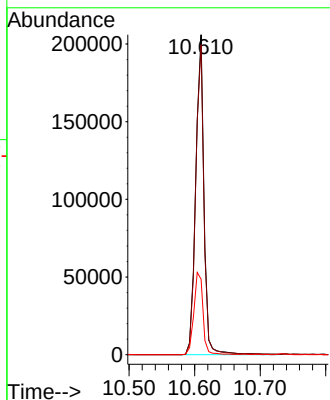
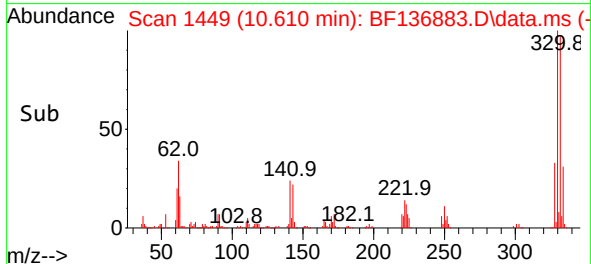
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2



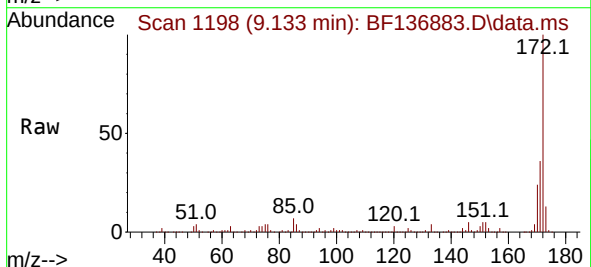
Tgt Ion: 330 Resp: 181594
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 28.2 23.4 35.2

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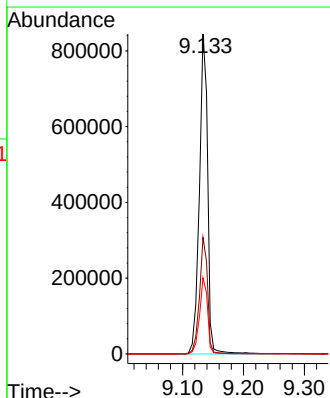
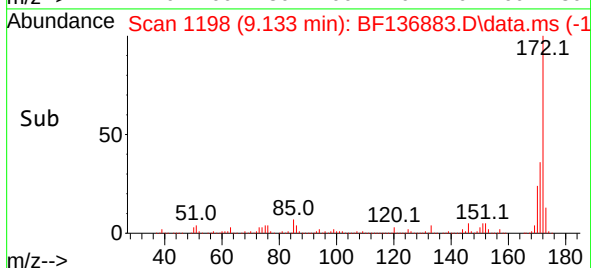
Reviewed By : Yogesh Patel 01/03/2024
Supervised By : mohammad ahmed 01/03/2024

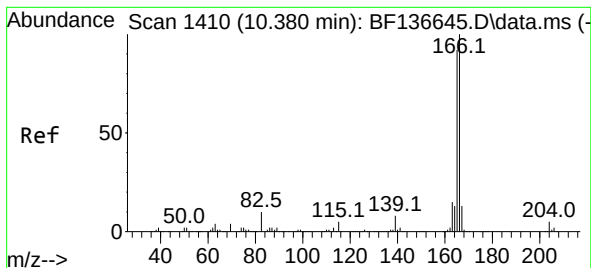


#45
2-Fluorobiphenyl
Concen: 68.488 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28



Tgt Ion: 172 Resp: 801816
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 23.8 19.0 28.4





#58

Fluorene

Concen: 3.255 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

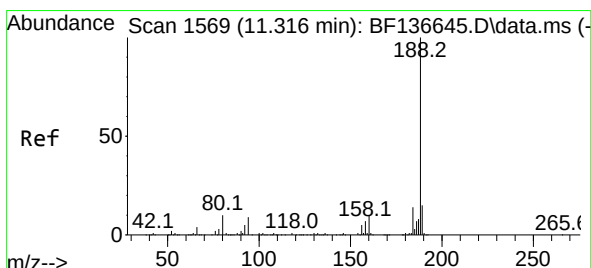
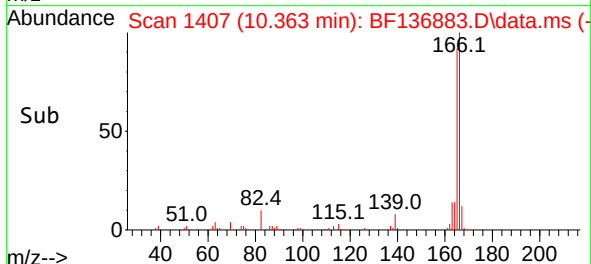
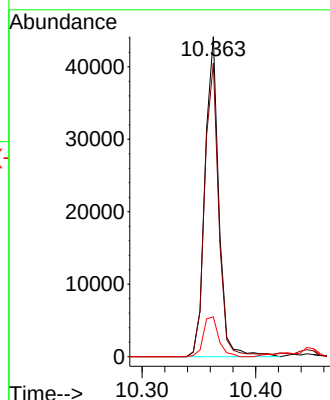
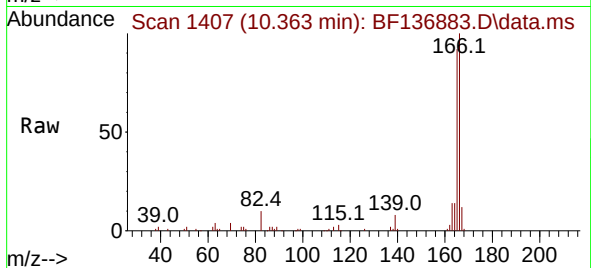
Tgt Ion:166	Resp:	3726	
Ion Ratio	Lower	Upper	
166	100		
165	91.8	73.7	110.5
167	12.4	10.4	15.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

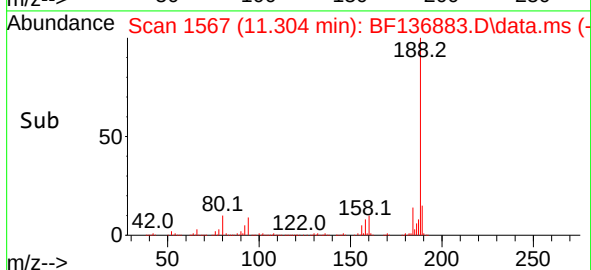
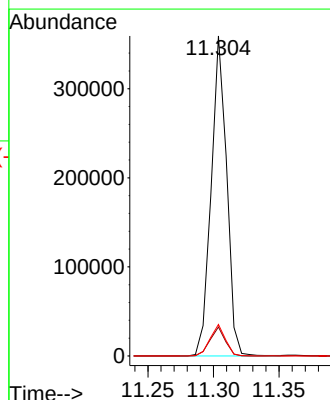
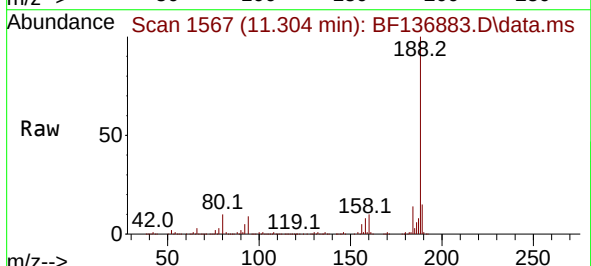
RT: 11.304 min Scan# 1567

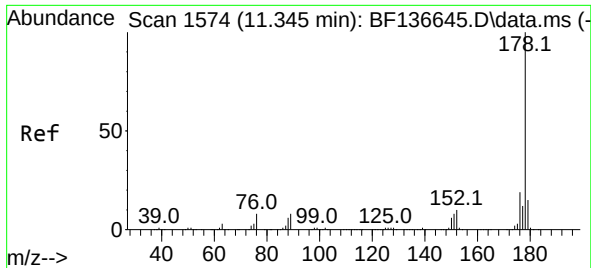
Delta R.T. -0.012 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Tgt Ion:188	Resp:	295881	
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.5	11.3
80	9.8	8.1	12.1





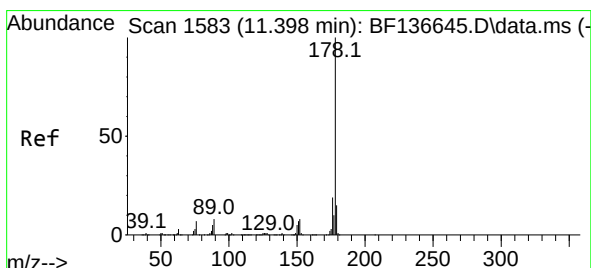
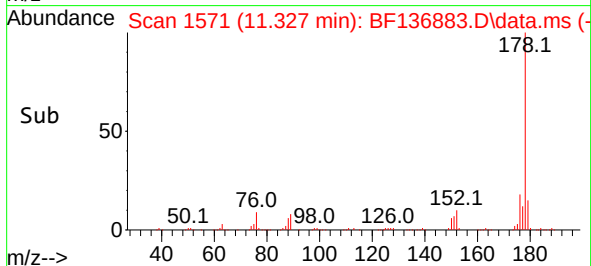
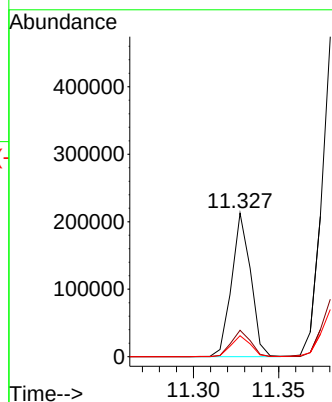
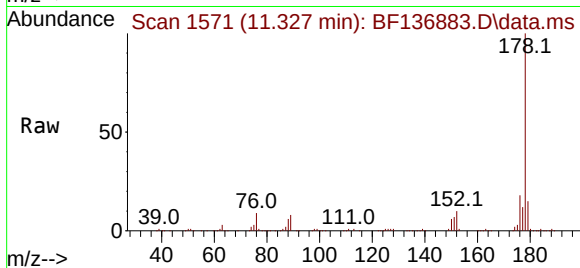
#71
Phenanthrene
Concen: 10.875 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2

Tgt Ion:178 Resp: 165104
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.6 11.9 17.9

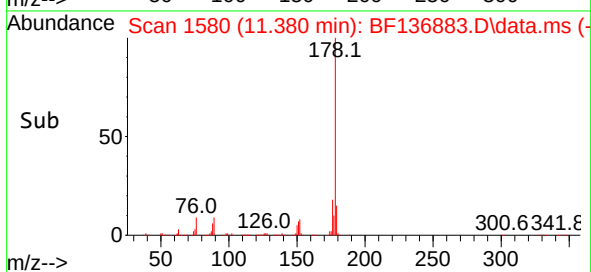
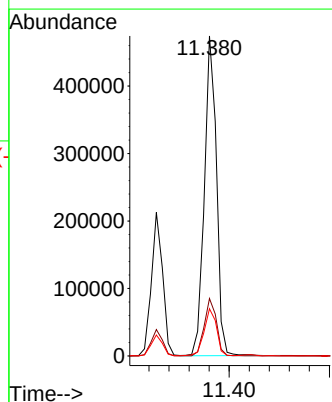
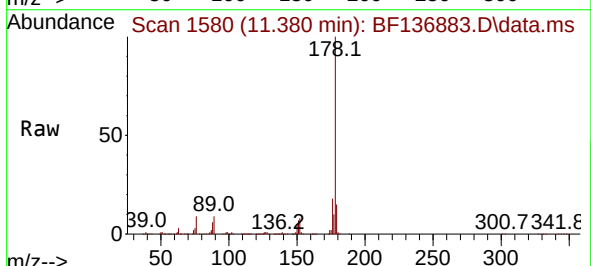
Manual Integrations
APPROVED

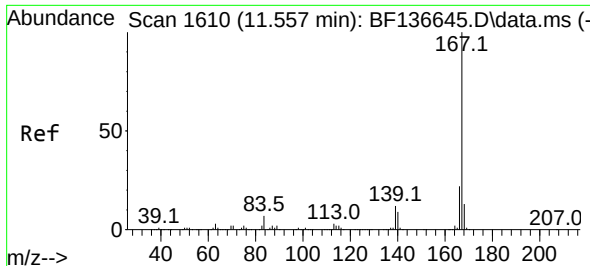
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#72
Anthracene
Concen: 25.952 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

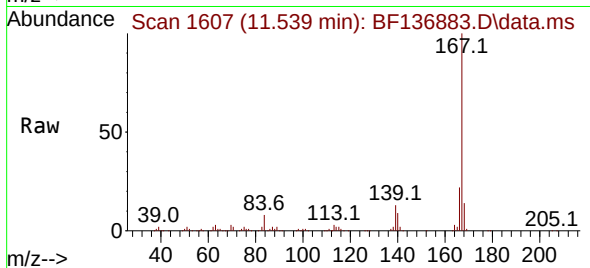
Tgt Ion:178 Resp: 399020
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 14.7 11.8 17.6





#73
 Carbazole
 Concen: 8.224 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. -0.018 min
 Lab File: BF136883.D
 Acq: 02 Jan 2024 21:28

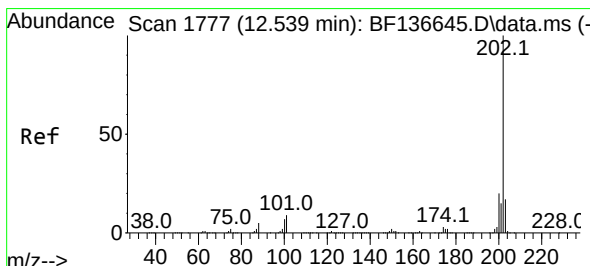
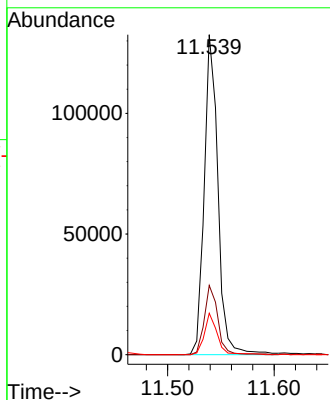
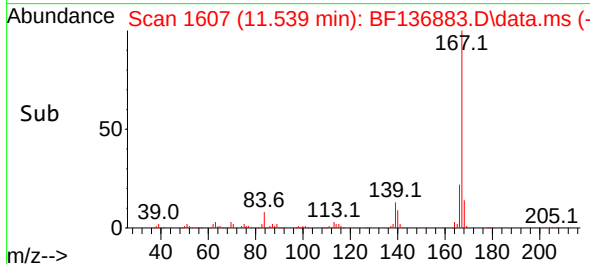
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-19-0-2



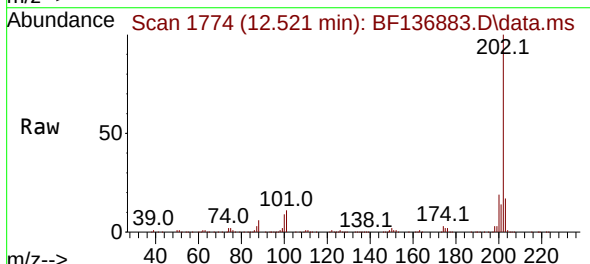
Tgt Ion:167 Resp: 11921
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.3 25.9
 139 12.9 9.8 14.6

Manual Integrations
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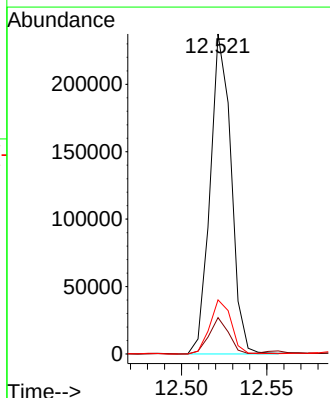
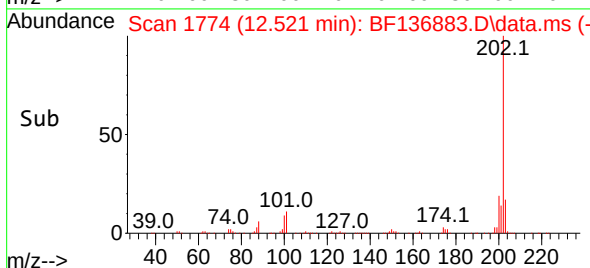
Reviewed By :Yogesh Patel 01/03/2024
 Supervised By :mohammad ahmed 01/03/2024

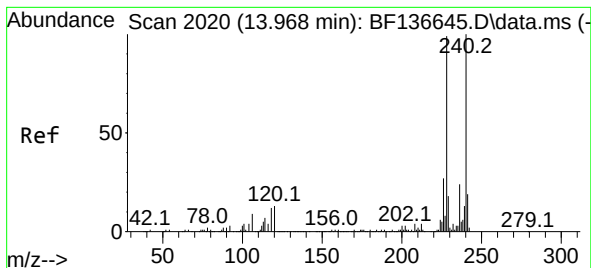


#75
 Fluoranthene
 Concen: 12.493 ng
 RT: 12.521 min Scan# 1774
 Delta R.T. -0.018 min
 Lab File: BF136883.D
 Acq: 02 Jan 2024 21:28



Tgt Ion:202 Resp: 202886
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 29.3
 203 16.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

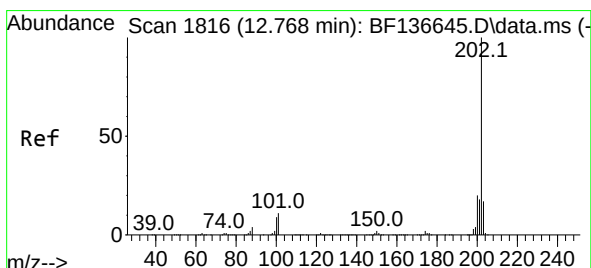
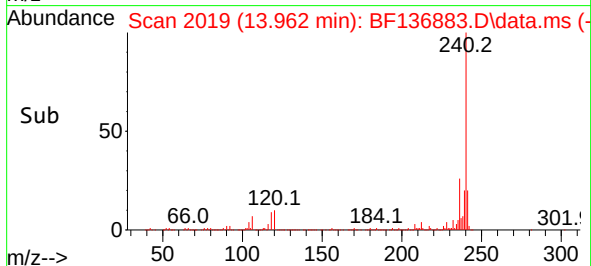
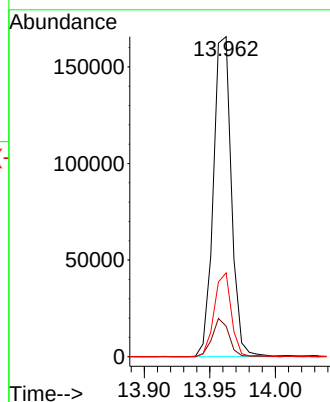
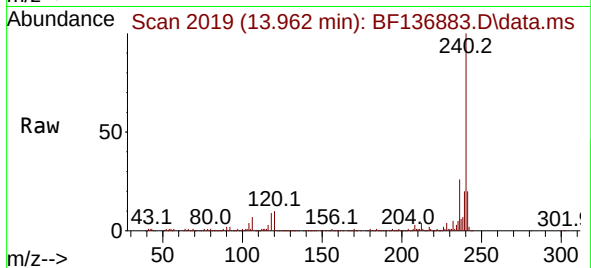
Tgt Ion:240	Resp: 15865
Ion Ratio	Lower Upper
240 100	
120 9.6	10.3 15.5
236 26.2	19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#78

Pyrene

Concen: 10.098 ng

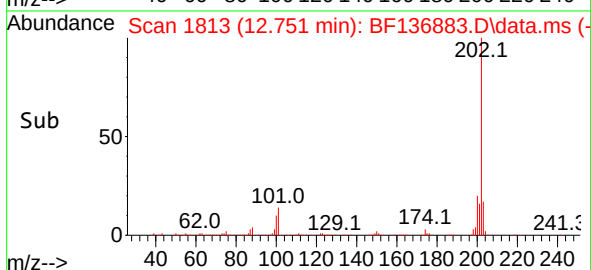
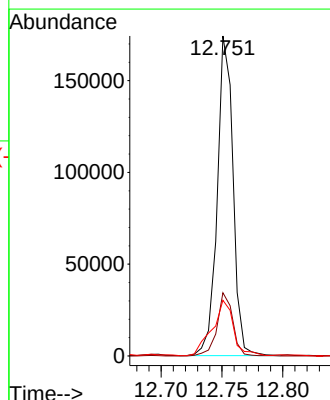
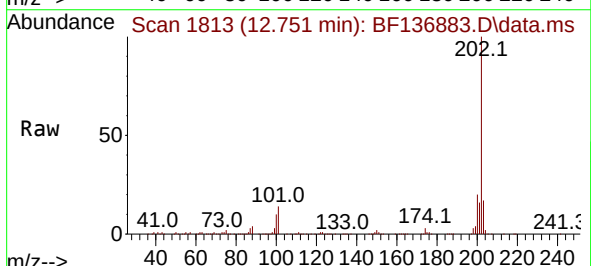
RT: 12.751 min Scan# 1813

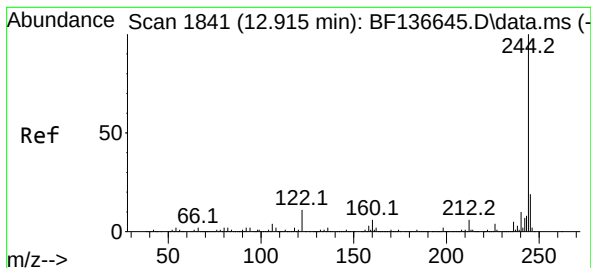
Delta R.T. -0.018 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Tgt Ion:202	Resp: 157282
Ion Ratio	Lower Upper
202 100	
200 19.7	15.9 23.9
203 17.4	13.8 20.6





#79

Terphenyl-d14

Concen: 68.893 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

Tgt Ion:244 Resp: 782158

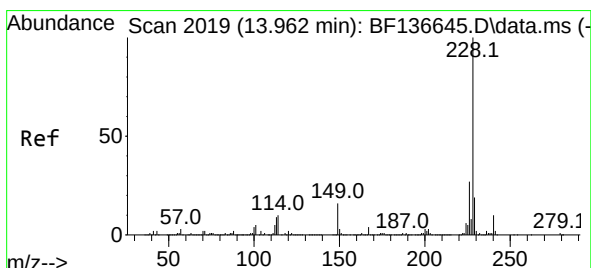
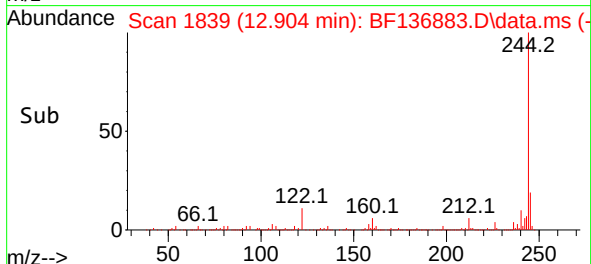
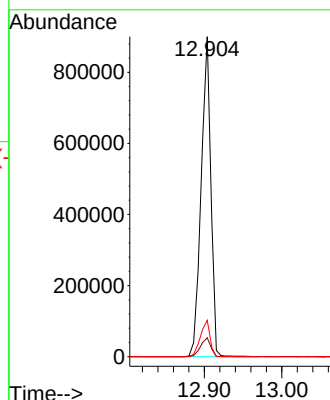
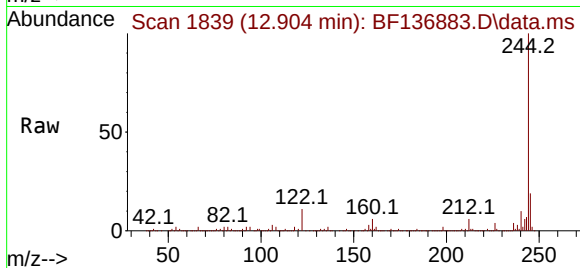
Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.0	7.4
122	11.4	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#81

Benzo(a)anthracene

Concen: 4.435 ng

RT: 13.951 min Scan# 2017

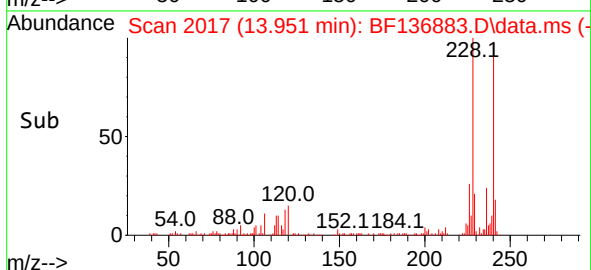
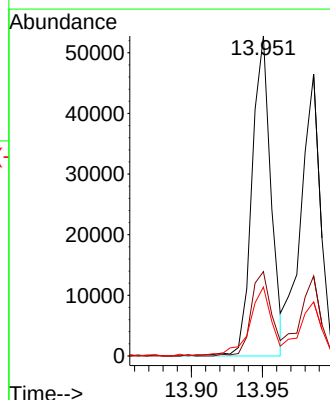
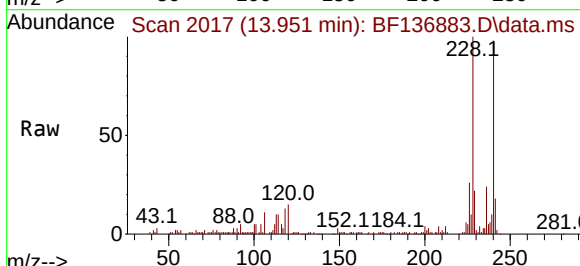
Delta R.T. -0.012 min

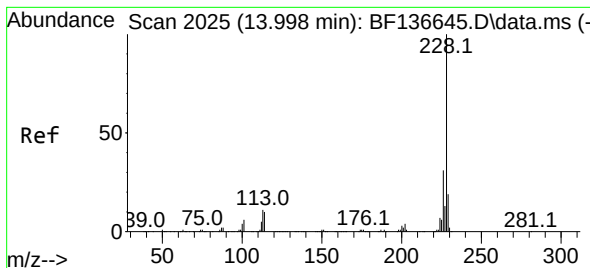
Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Tgt Ion:228 Resp: 48862

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.4	32.0
229	21.5	14.9	22.3





#83

Chrysene

Concen: 4.237 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2

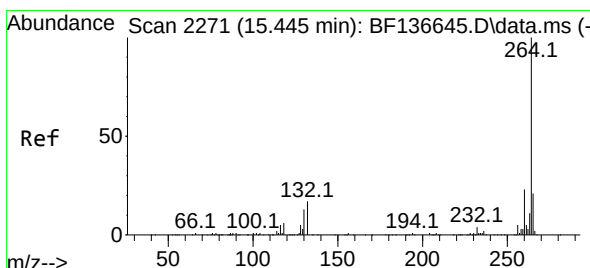
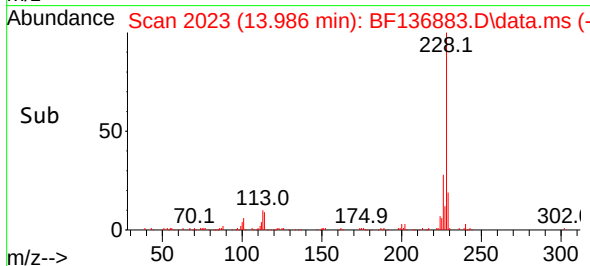
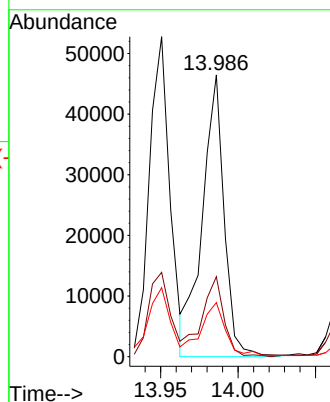
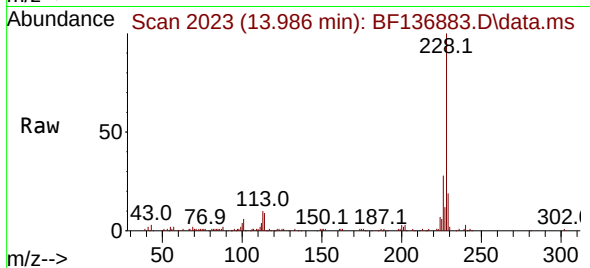
Tgt Ion:228	Resp: 4564
Ion Ratio	Lower Upper
228 100	
226 28.4	24.7 37.1
229 19.2	15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#86

Perylene-d12

Concen: 20.000 ng

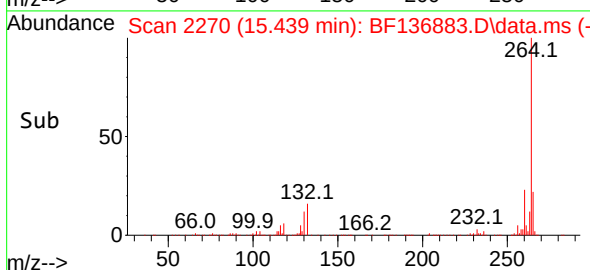
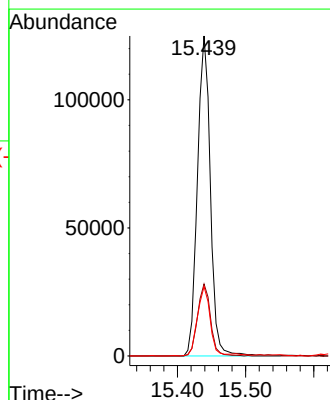
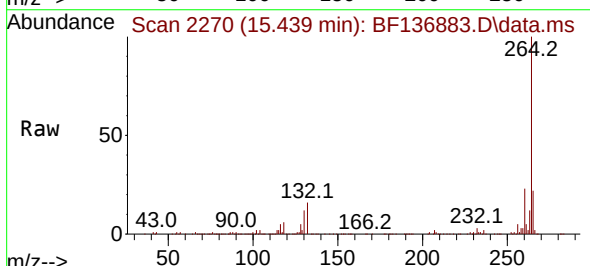
RT: 15.439 min Scan# 2270

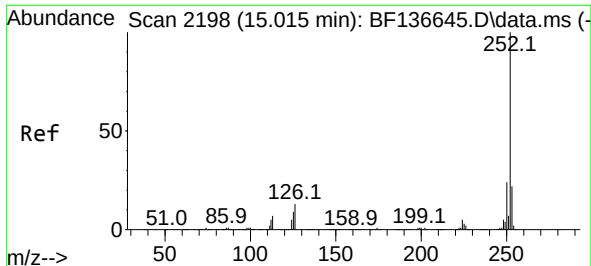
Delta R.T. -0.006 min

Lab File: BF136883.D

Acq: 02 Jan 2024 21:28

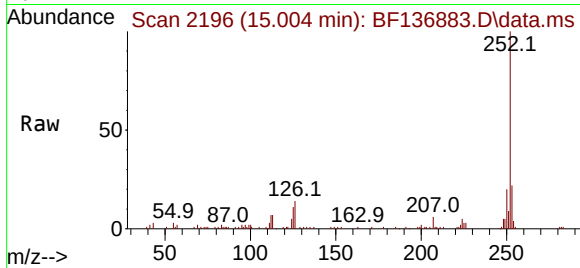
Tgt Ion:264	Resp: 163867
Ion Ratio	Lower Upper
264 100	
260 22.5	18.3 27.5
265 21.6	17.0 25.6





#88
Benzo(b)fluoranthene
Concen: 4.029 ng m
RT: 15.004 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

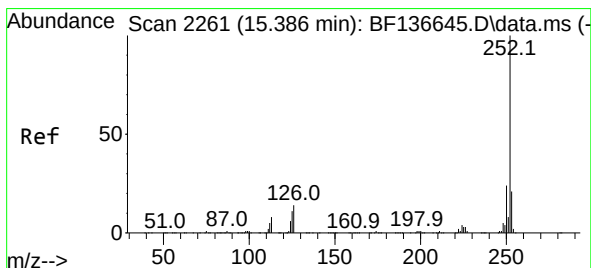
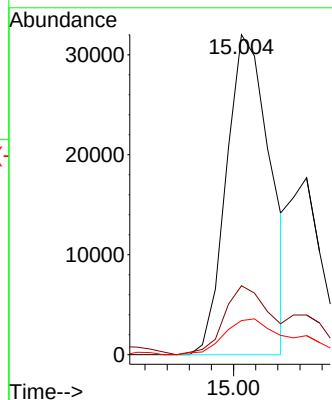
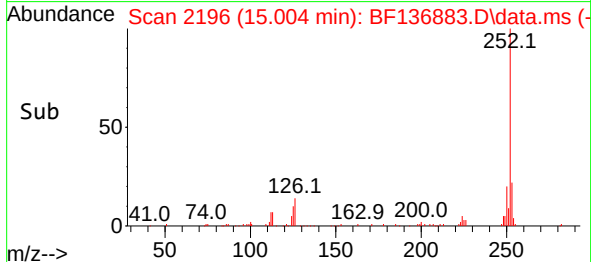
Instrument :
BNA_F
ClientSampleId :
GHL-SS-19-0-2



Tgt Ion:252 Resp: 44092
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 10.7 7.4 11.2

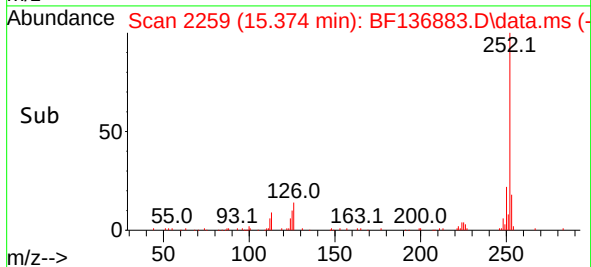
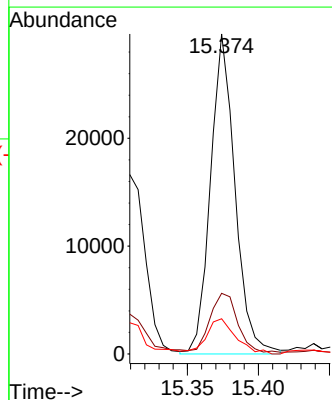
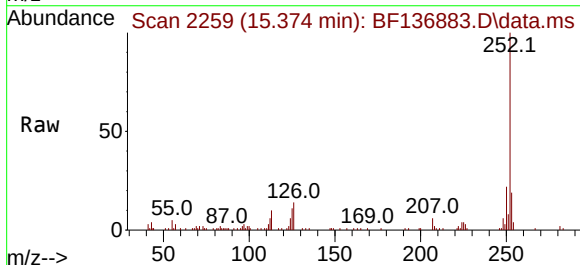
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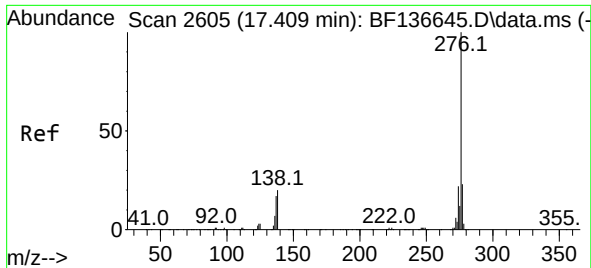
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#90
Benzo(a)pyrene
Concen: 3.861 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF136883.D
Acq: 02 Jan 2024 21:28

Tgt Ion:252 Resp: 35667
Ion Ratio Lower Upper
252 100
253 19.0 17.0 25.6
125 11.0 8.8 13.2





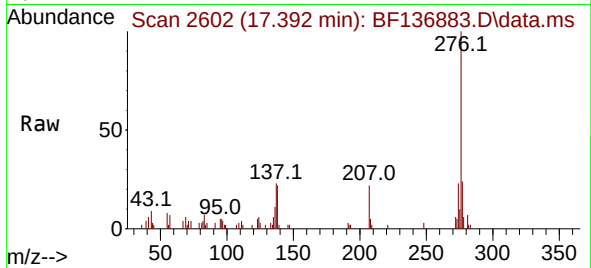
#92
 Benzo(g,h,i)perylene
 Concen: 2.272 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF136883.D
 Acq: 02 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

GHL-SS-19-0-2



Tgt Ion:	276	Resp:	22584
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.3	27.5
138	22.3	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024

