

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011124\
 Data File : BF137040.D
 Acq On : 11 Jan 2024 15:48
 Operator : CG\JU
 Sample : P1097-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-G

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
 Supervised By :mohammad ahmed 01/13/2024

Quant Time: Jan 11 16:26:15 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	57204	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	202858	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90779	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	153852	20.000	ng	0.00
76) Chrysene-d12	13.968	240	140643	20.000	ng	0.00
86) Perylene-d12	15.462	264	124629	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	318922	86.989	ng	0.00
7) Phenol-d6	6.434	99	391833	82.481	ng	0.00
23) Nitrobenzene-d5	7.345	82	235684	59.451	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	86574	80.977	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	441806	65.458	ng	-0.02
79) Terphenyl-d14	12.904	244	429842	42.710	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	99525	12.607	ng	100
72) Anthracene	11.386	178	31548	3.946	ng	99
75) Fluoranthene	12.533	202	155840	18.455	ng	100
78) Pyrene	12.763	202	130329	9.440	ng	98
81) Benzo(a)anthracene	13.963	228	66021	6.760	ng	96
83) Chrysene	13.998	228	58795	6.156	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	26000	2.889	ng	96
88) Benzo(b)fluoranthene	15.021	252	80681m	9.692	ng	
89) Benzo(k)fluoranthene	15.051	252	19353m	2.460	ng	
90) Benzo(a)pyrene	15.398	252	51651	7.351	ng	# 98
92) Benzo(g,h,i)perylene	17.445	276	23911	3.162	ng	# 93

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

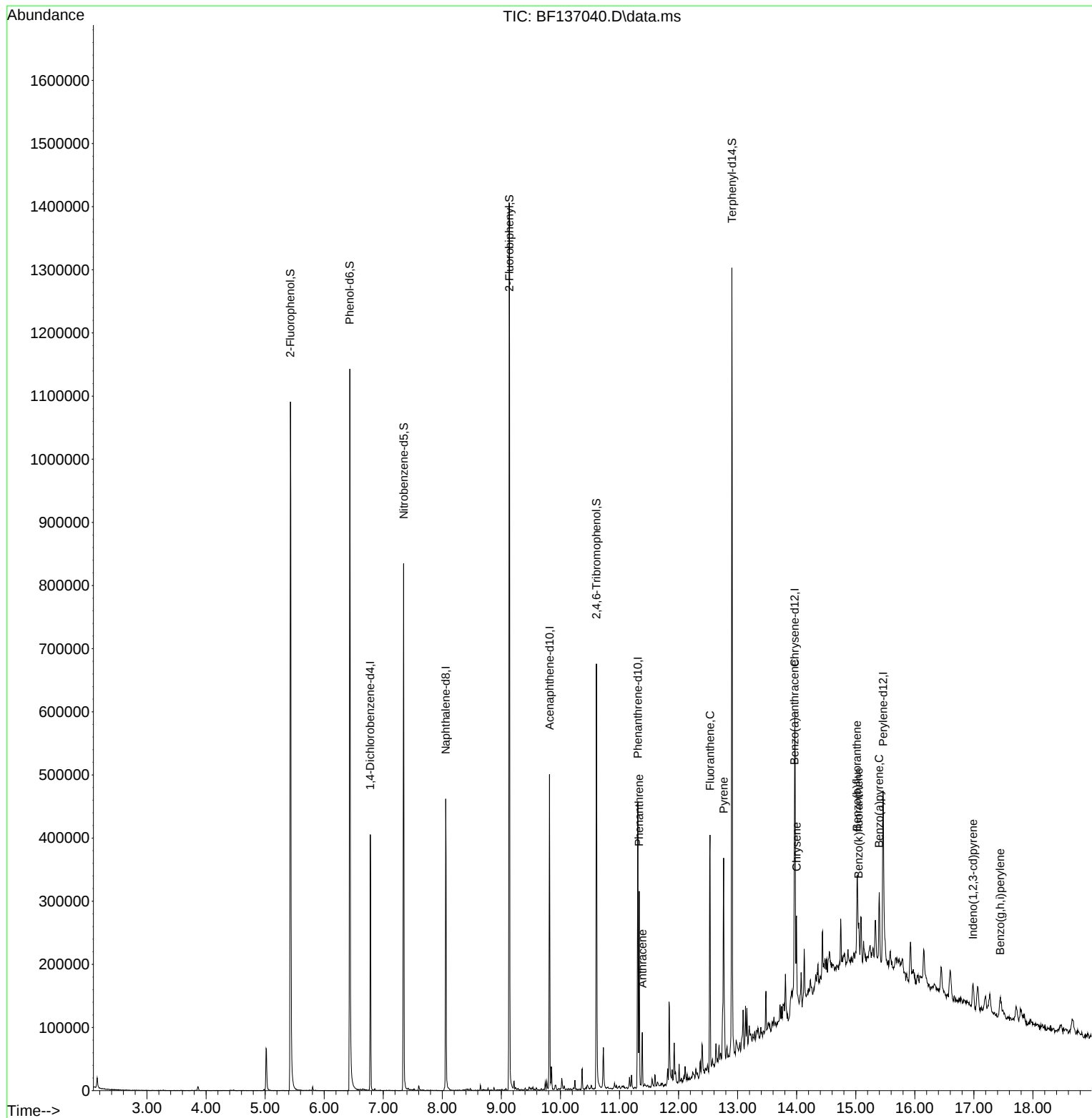
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011124\
Data File : BF137040.D
Acq On : 11 Jan 2024 15:48
Operator : CG\JU
Sample : P1097-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-G

Quant Time: Jan 11 16:26:15 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

Manual Integrations
APPROVED

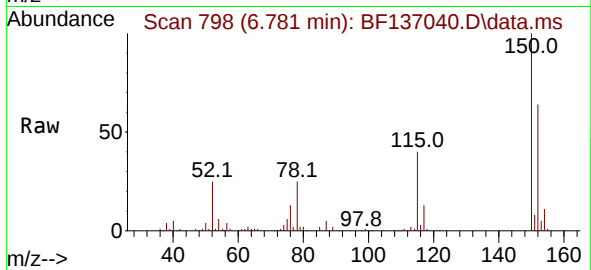
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

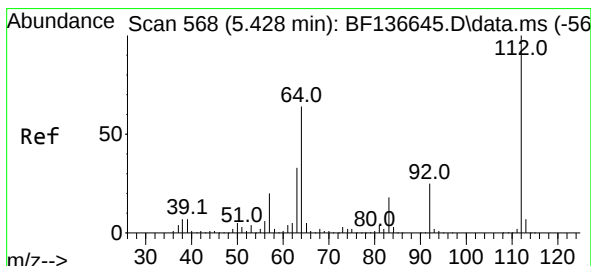
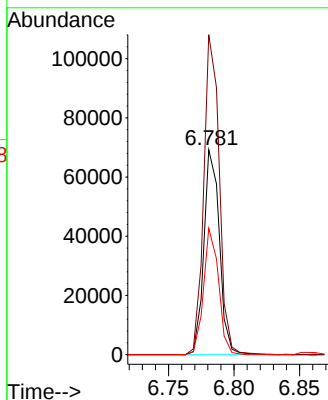
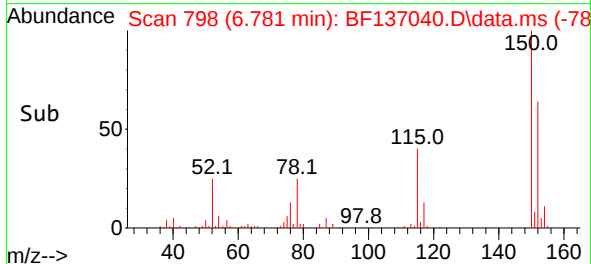
Instrument :
BNA_F
ClientSampleId :
MH-G



Tgt Ion:152 Resp: 57204
Ion Ratio Lower Upper
152 100
150 156.1 127.0 190.6
115 61.7 49.0 73.4

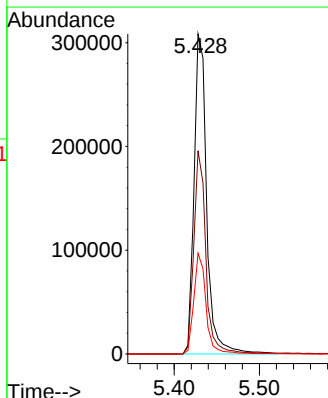
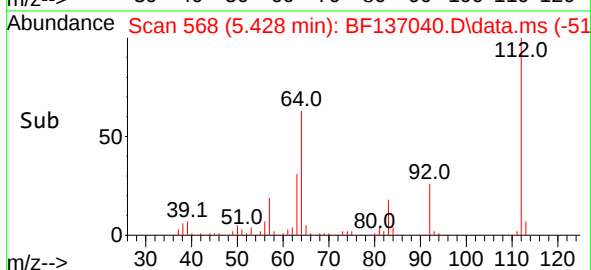
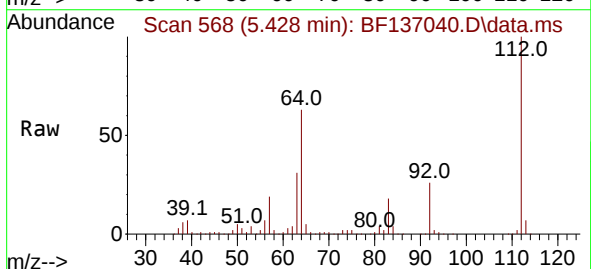
Manual Integrations
APPROVED

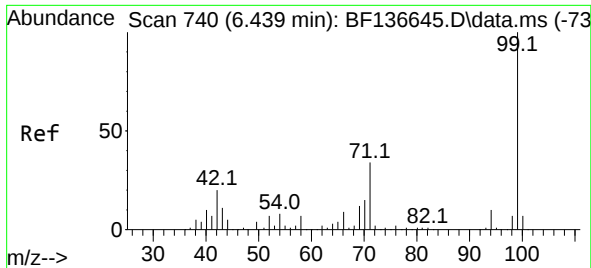
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#5
2-Fluorophenol
Concen: 86.989 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

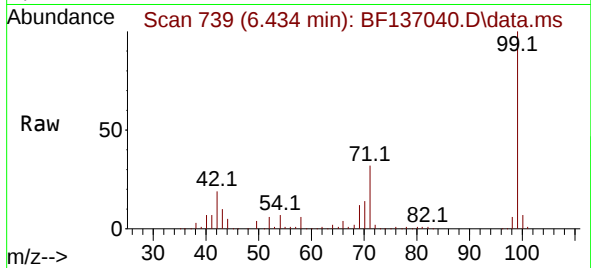
Tgt Ion:112 Resp: 318922
Ion Ratio Lower Upper
112 100
64 63.5 51.1 76.7
63 31.4 26.1 39.1





#7
Phenol-d6
Concen: 82.481 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

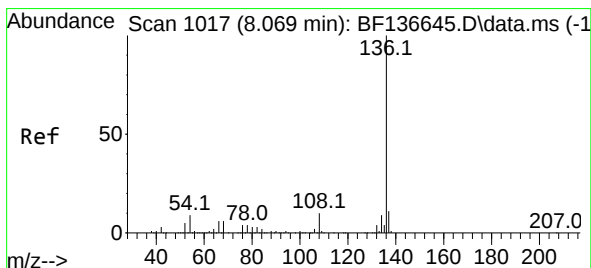
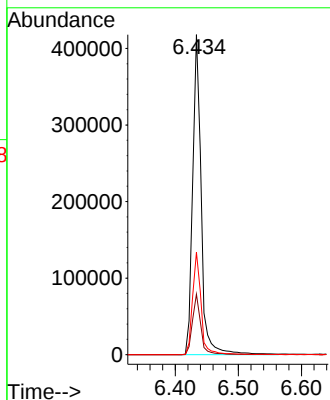
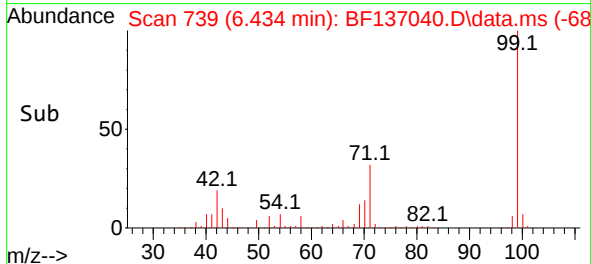
Instrument :
BNA_F
ClientSampleId :
MH-G



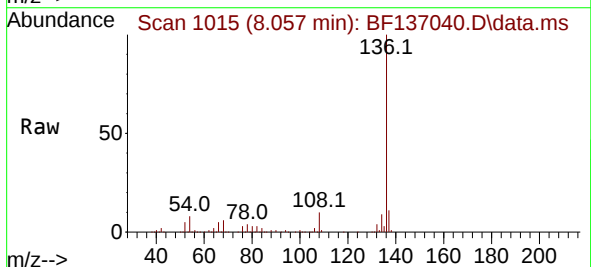
Tgt Ion: 99 Resp: 39183
Ion Ratio Lower Upper
99 100
42 18.9 16.1 24.1
71 32.0 27.4 41.2

Manual Integrations
APPROVED

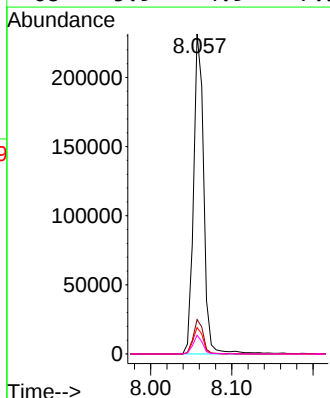
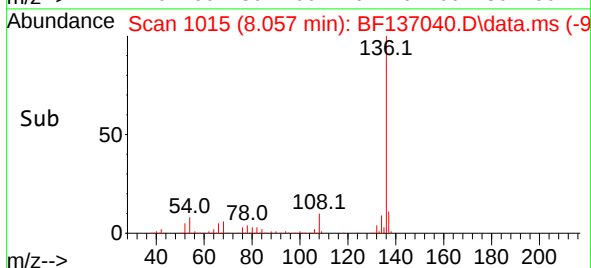
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024

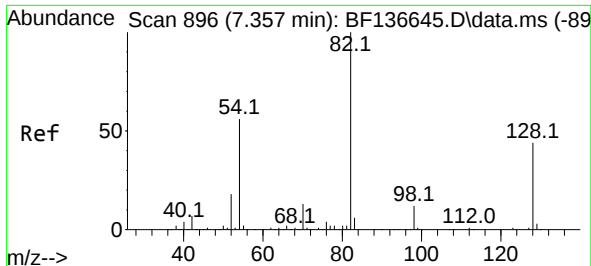


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48



Tgt Ion:136 Resp: 202858
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.3 7.2 10.8
68 5.9 4.9 7.3





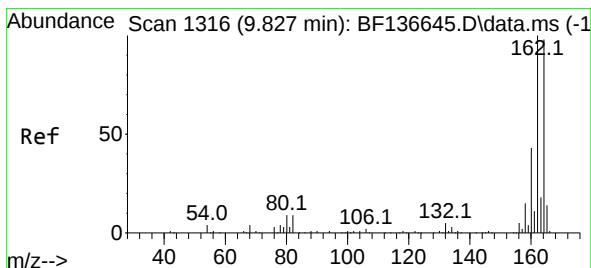
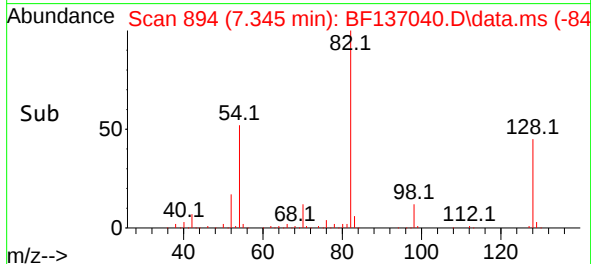
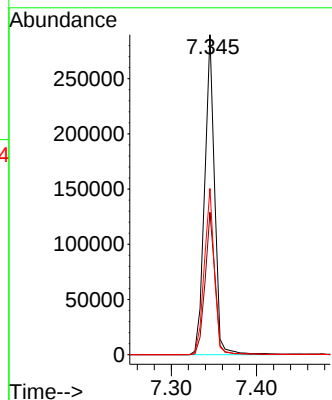
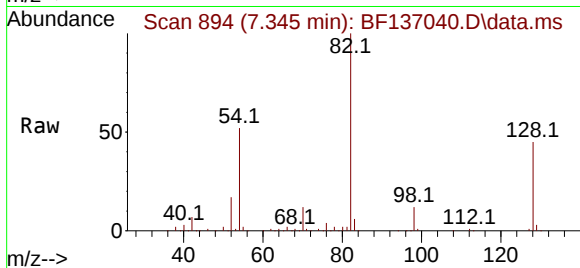
#23
Nitrobenzene-d5
Concen: 59.451 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

Instrument :
BNA_F
ClientSampleId :
MH-G

Tgt Ion: 82 Resp: 235684
Ion Ratio Lower Upper
82 100
128 44.5 35.3 52.9
54 52.0 44.5 66.7

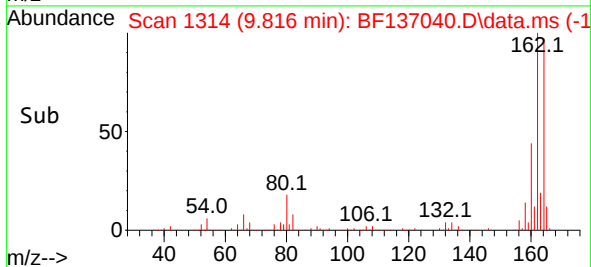
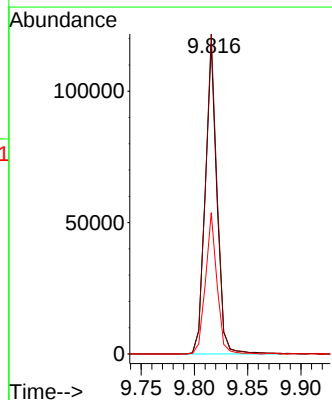
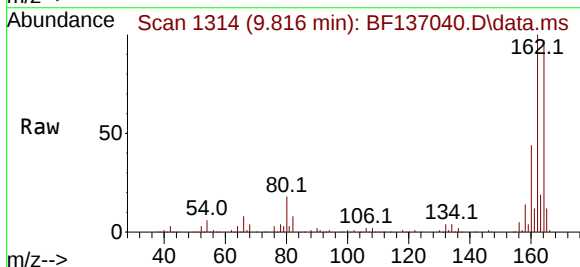
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

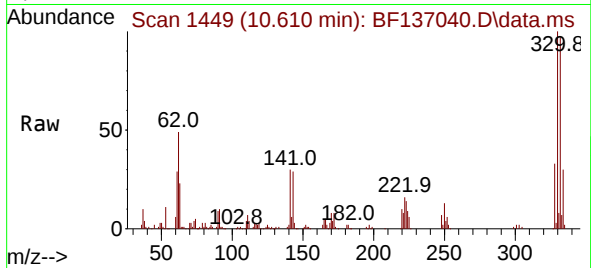
Tgt Ion:164 Resp: 90779
Ion Ratio Lower Upper
164 100
162 103.2 81.6 122.4
160 45.6 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 80.977 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

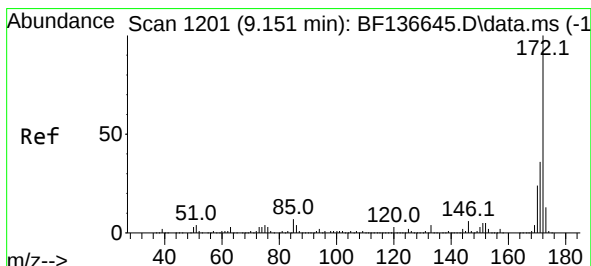
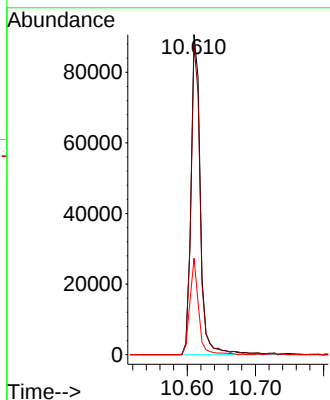
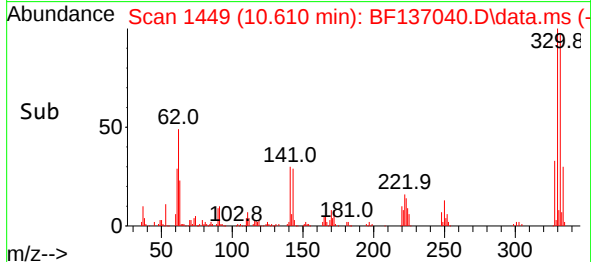
Instrument :
BNA_F
ClientSampleId :
MH-G



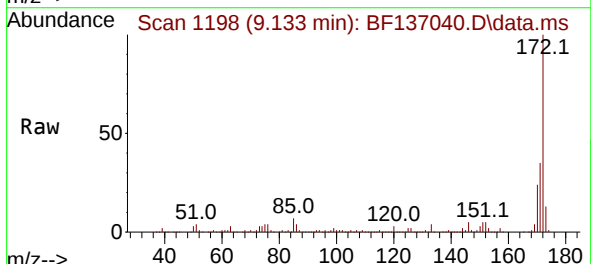
Tgt Ion: 330 Resp: 86574
Ion Ratio Lower Upper
330 100
332 95.7 77.4 116.0
141 27.8 23.4 35.2

Manual Integrations
APPROVED

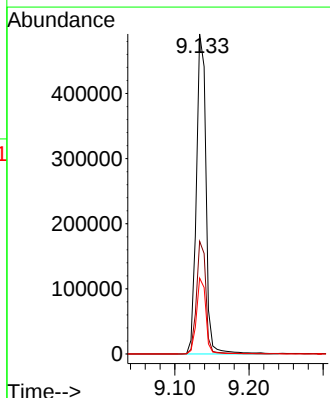
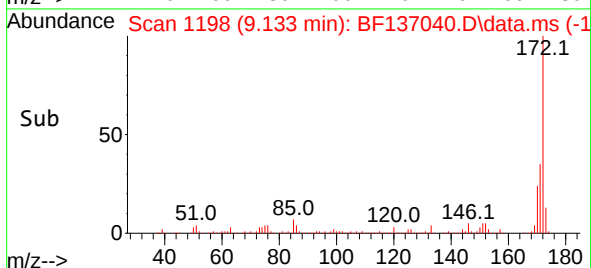
Reviewed By : Jagrut Upadhyay 01/12/2024
Supervised By : mohammad ahmed 01/13/2024



#45
2-Fluorobiphenyl
Concen: 65.458 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48



Tgt Ion: 172 Resp: 441806
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 23.7 19.0 28.4





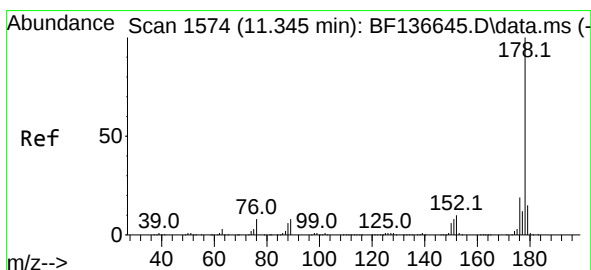
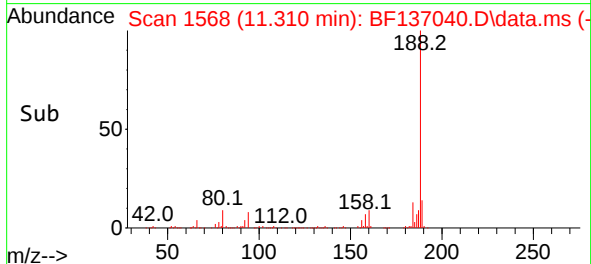
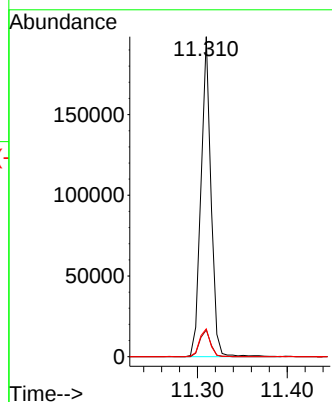
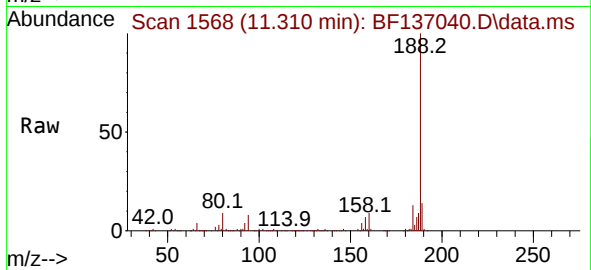
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

Instrument :
BNA_F
ClientSampleId :
MH-G

Tgt Ion:188 Resp: 15385
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 8.7 8.1 12.1

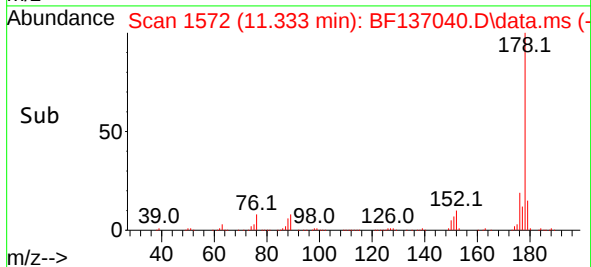
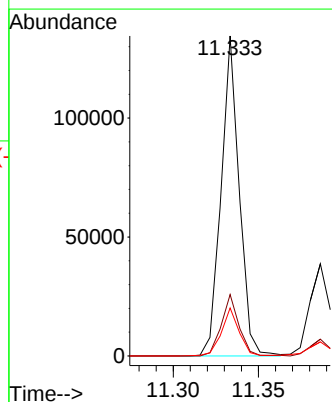
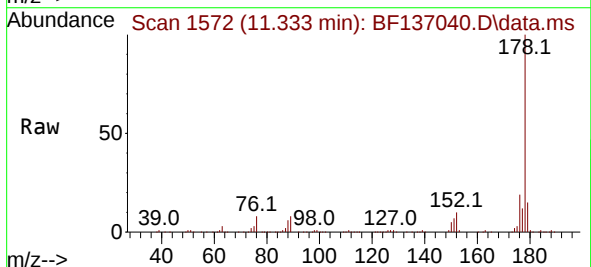
Manual Integrations
APPROVED

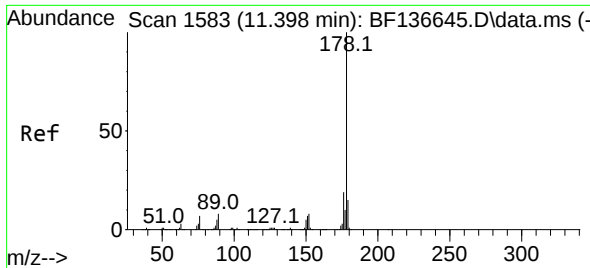
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#71
Phenanthrene
Concen: 12.607 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

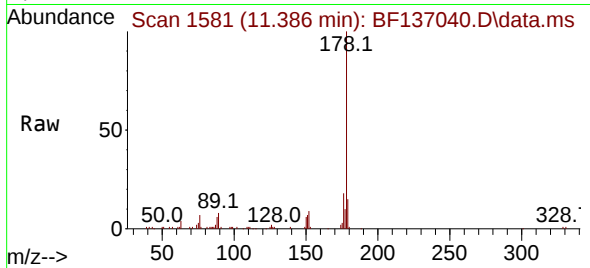
Tgt Ion:178 Resp: 99525
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.0 11.9 17.9





#72
 Anthracene
 Concen: 3.946 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF137040.D
 Acq: 11 Jan 2024 15:48

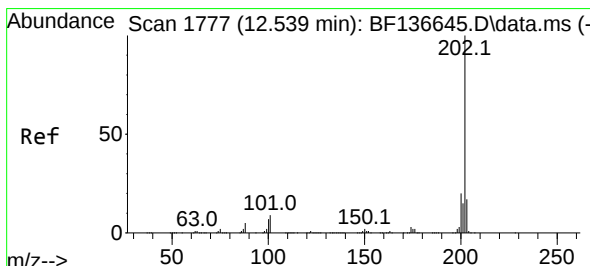
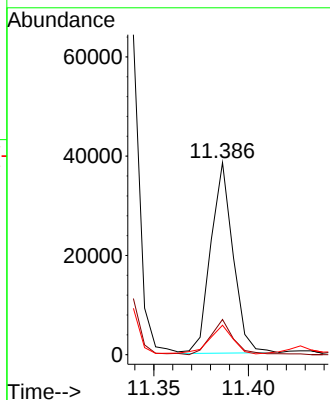
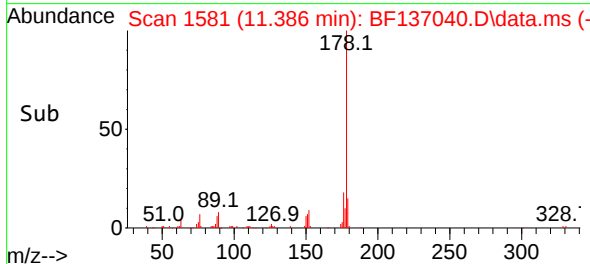
Instrument :
 BNA_F
 ClientSampleId :
 MH-G



Tgt Ion:178 Resp: 31548
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 15.3 11.8 17.6

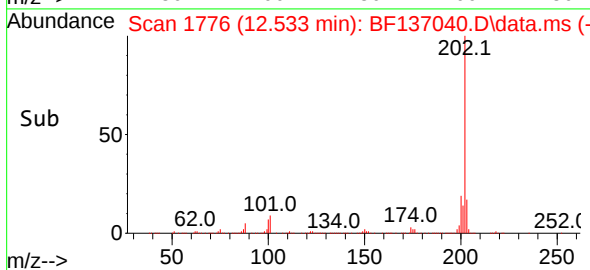
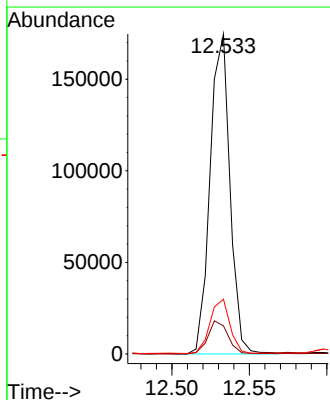
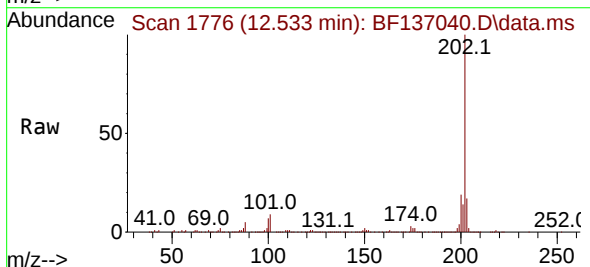
Manual Integrations
 APPROVED

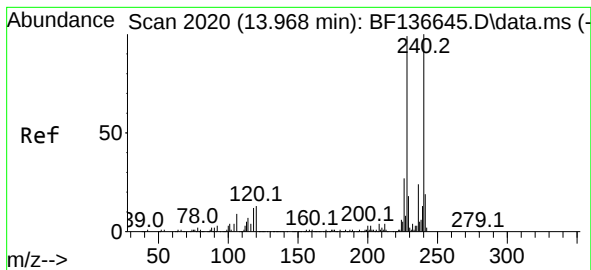
Reviewed By :Jagrut Upadhyay 01/12/2024
 Supervised By :mohammad ahmed 01/13/2024



#75
 Fluoranthene
 Concen: 18.455 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137040.D
 Acq: 11 Jan 2024 15:48

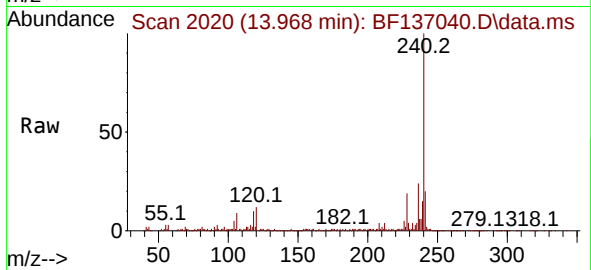
Tgt Ion:202 Resp: 155840
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 29.3
 203 17.1 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

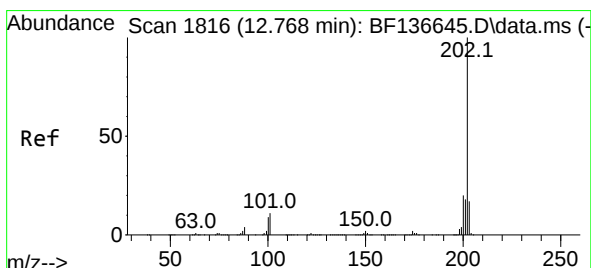
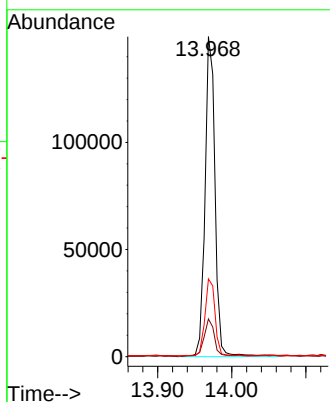
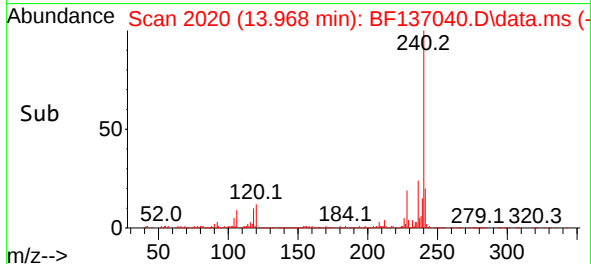
Instrument :
BNA_F
ClientSampleId :
MH-G



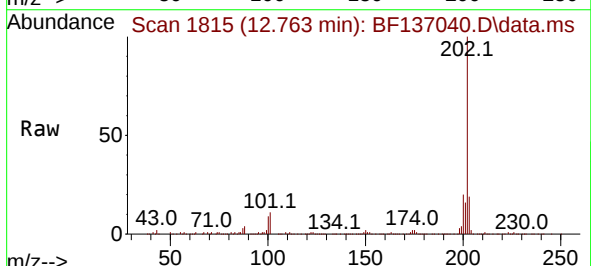
Tgt Ion:240 Resp: 14064
Ion Ratio Lower Upper
240 100
120 11.8 10.3 15.5
236 24.3 19.4 29.2

Manual Integrations
APPROVED

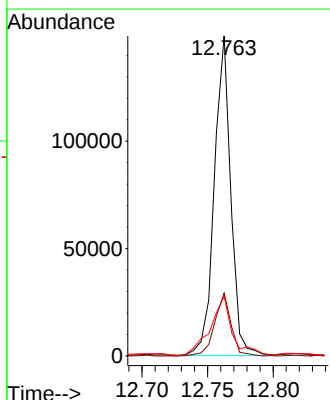
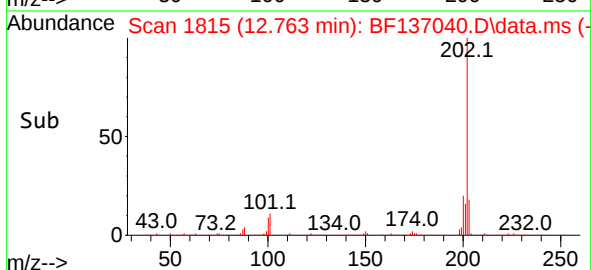
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024

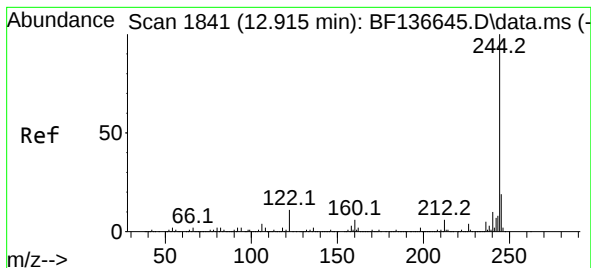


#78
Pyrene
Concen: 9.440 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48



Tgt Ion:202 Resp: 130329
Ion Ratio Lower Upper
202 100
200 19.6 15.9 23.9
203 18.6 13.8 20.6





#79

Terphenyl-d14

Concen: 42.710 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137040.D

Acq: 11 Jan 2024 15:48

Instrument :

BNA_F

ClientSampleId :

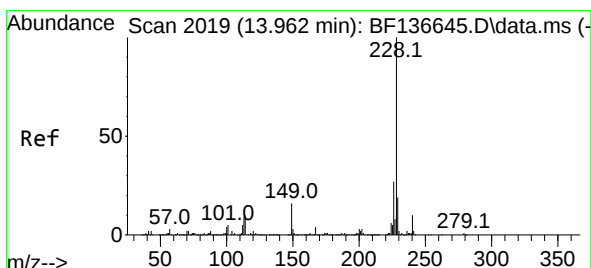
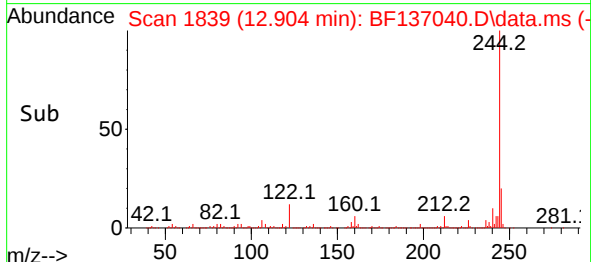
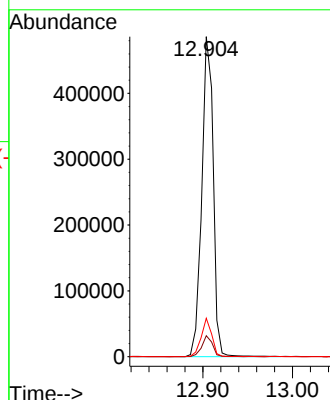
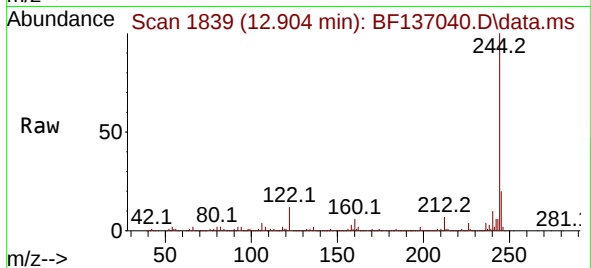
MH-G

Tgt Ion:244 Resp: 42984
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 12.0 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
 Supervised By :mohammad ahmed 01/13/2024



#81

Benzo(a)anthracene

Concen: 6.760 ng

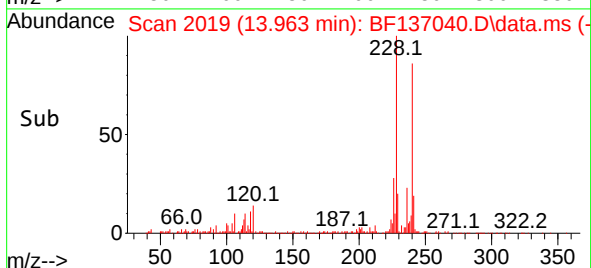
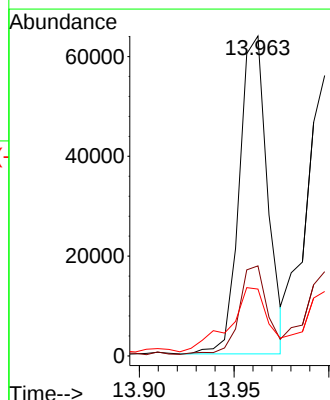
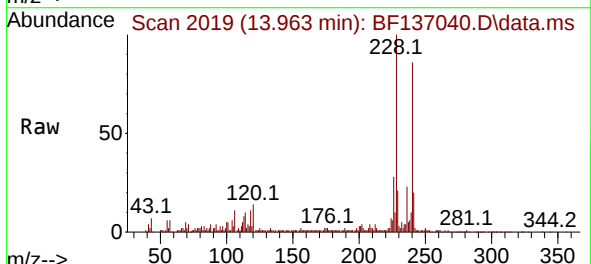
RT: 13.963 min Scan# 2019

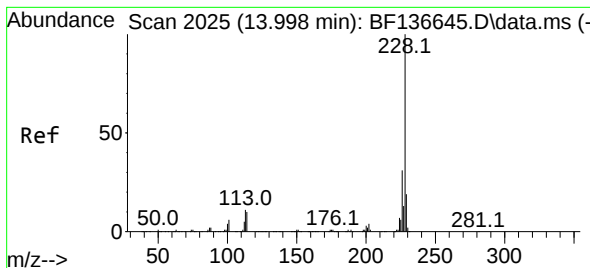
Delta R.T. 0.000 min

Lab File: BF137040.D

Acq: 11 Jan 2024 15:48

Tgt Ion:228 Resp: 66021
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.4 32.0
 229 20.9 14.9 22.3





#83

Chrysene

Concen: 6.156 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137040.D

Acq: 11 Jan 2024 15:48

Instrument :

BNA_F

ClientSampleId :

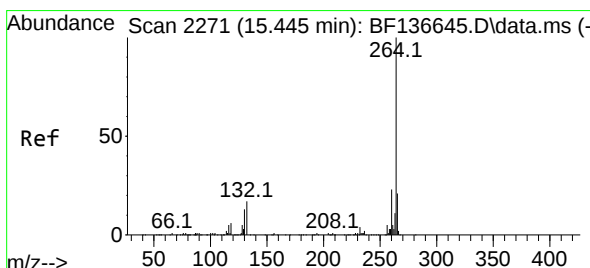
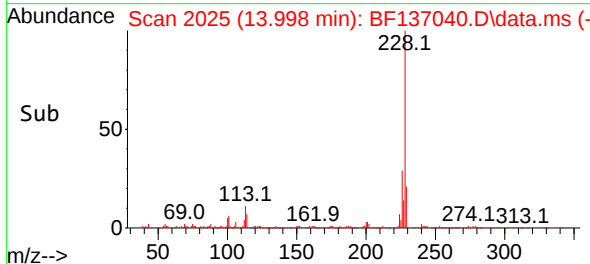
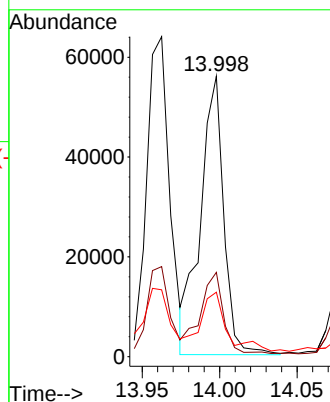
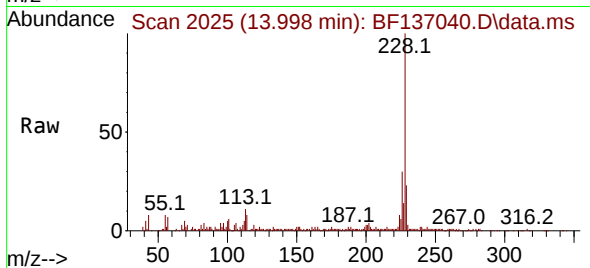
MH-G

Tgt Ion:	228	Resp:	5879
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.7	37.1
229	23.0	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#86

Perylene-d12

Concen: 20.000 ng

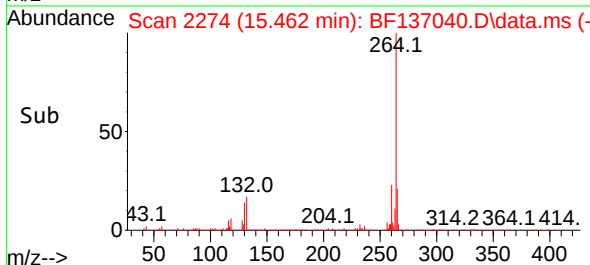
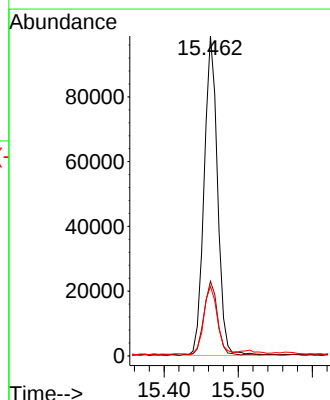
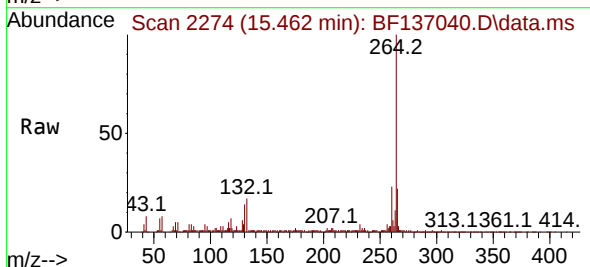
RT: 15.462 min Scan# 2274

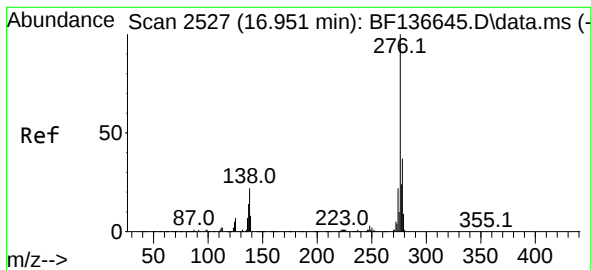
Delta R.T. 0.018 min

Lab File: BF137040.D

Acq: 11 Jan 2024 15:48

Tgt Ion:	264	Resp:	124629
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.3	27.5
265	21.8	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.889 ng

RT: 16.986 min Scan# 2533

Delta R.T. 0.035 min

Lab File: BF137040.D

Acq: 11 Jan 2024 15:48

Instrument :

BNA_F

ClientSampleId :

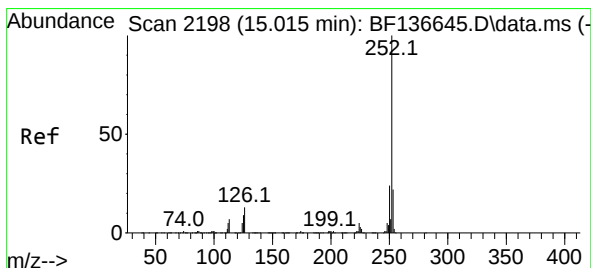
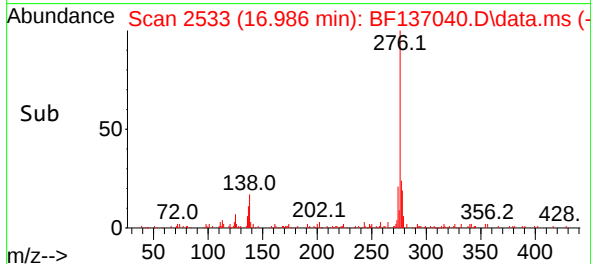
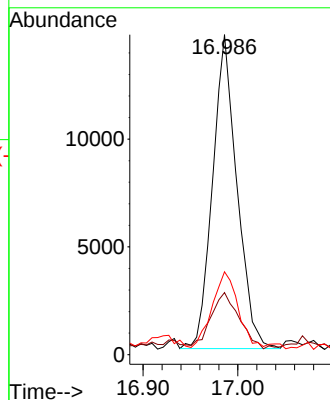
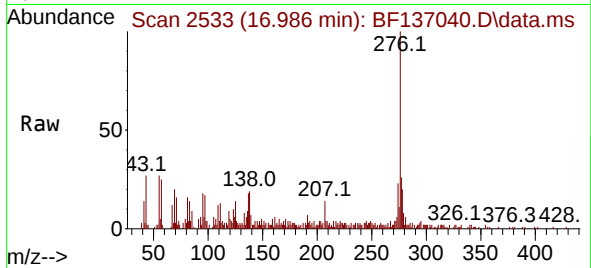
MH-G

Tgt Ion:	276	Resp:	26000
Ion Ratio	Lower	Upper	
276	100		
138	19.6	18.7	28.1
277	25.3	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#88

Benzo(b)fluoranthene

Concen: 9.692 ng m

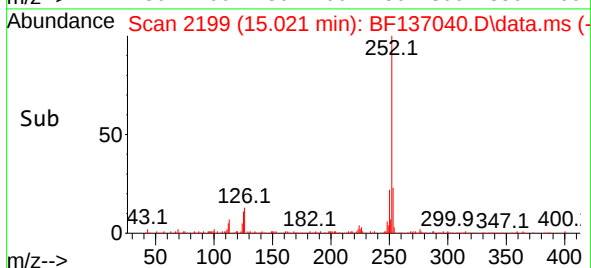
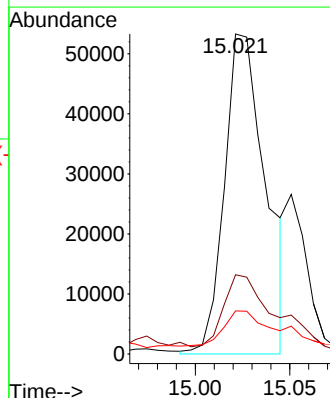
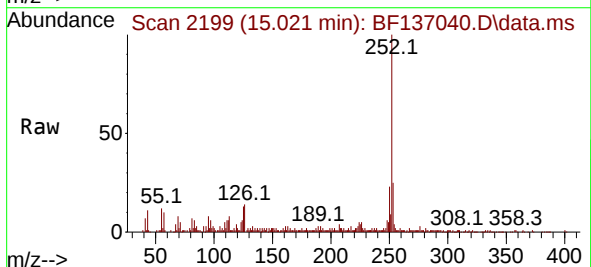
RT: 15.021 min Scan# 2199

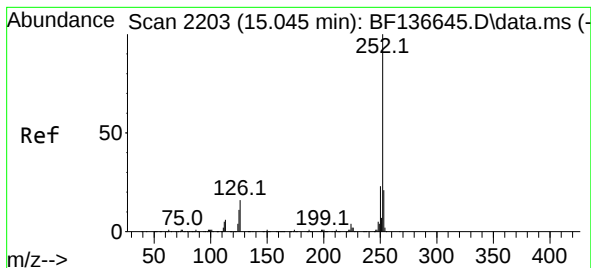
Delta R.T. 0.006 min

Lab File: BF137040.D

Acq: 11 Jan 2024 15:48

Tgt Ion:	252	Resp:	80681
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.4	26.0
125	13.5	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 2.460 ng m

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF137040.D

Acq: 11 Jan 2024 15:48

Instrument :

BNA_F

ClientSampleId :

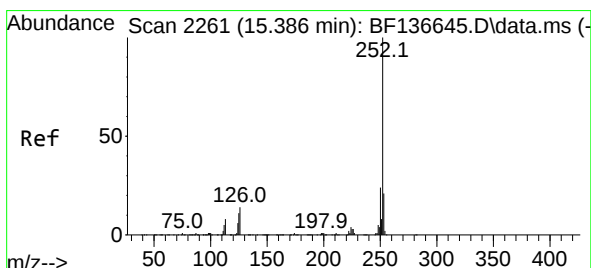
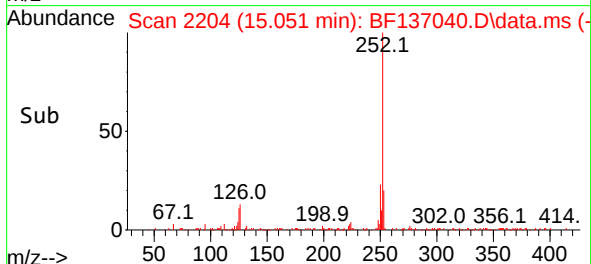
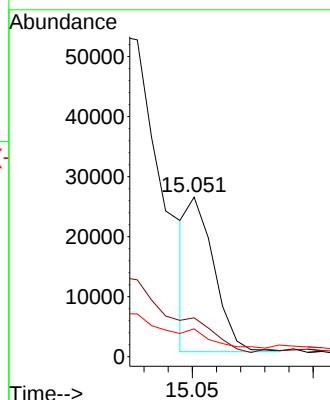
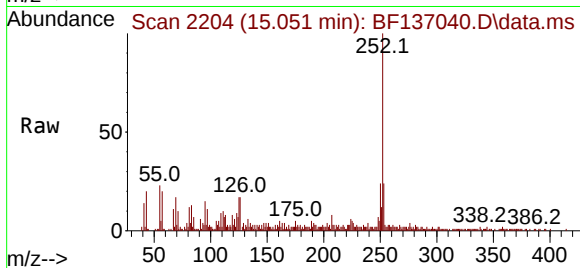
MH-G

Tgt Ion:	252	Resp:	1935
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.0	25.6
125	17.4	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#90

Benzo(a)pyrene

Concen: 7.351 ng

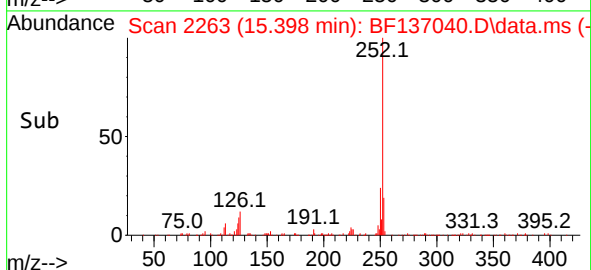
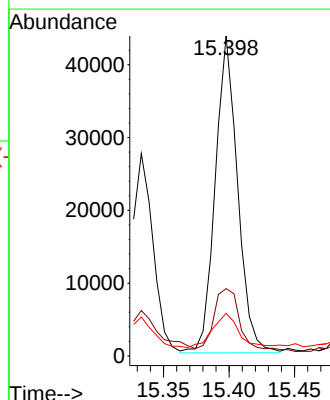
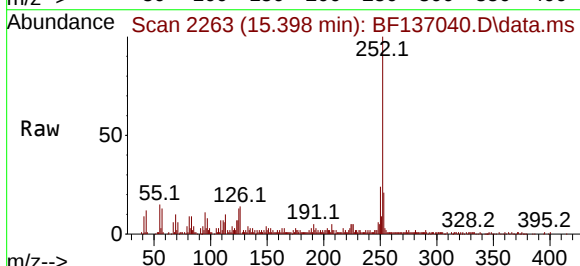
RT: 15.398 min Scan# 2263

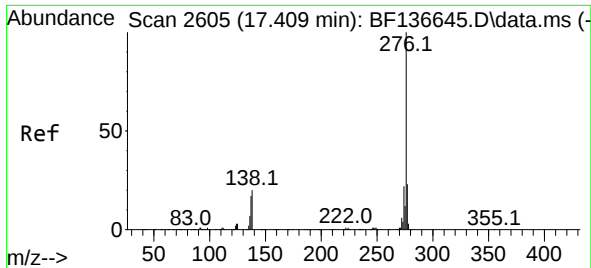
Delta R.T. 0.012 min

Lab File: BF137040.D

Acq: 11 Jan 2024 15:48

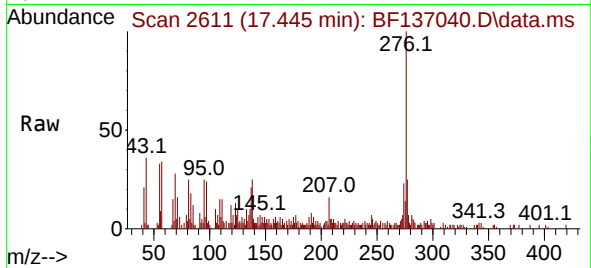
Tgt Ion:	252	Resp:	51651
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.0	25.6
125	13.3	8.8	13.2





#92
Benzo(g,h,i)perylene
Concen: 3.162 ng
RT: 17.445 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF137040.D
Acq: 11 Jan 2024 15:48

Instrument :
BNA_F
ClientSampleId :
MH-G



Tgt Ion: 276 Resp: 2391
Ion Ratio Lower Upper
276 100
277 24.6 18.3 27.5
138 24.9 15.6 23.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024

