

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137030.D
 Acq On : 10 Jan 2024 20:33
 Operator : CG\JU
 Sample : P1068-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-010824

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/11/2024
 Supervised By :mohammad ahmed 01/12/2024

Quant Time: Jan 11 00:03:20 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	6.787	152	45871	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	153946	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	69665	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	135424	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	113133	20.000	ng	0.00
86) Perylene-d12	15.468	264	85767	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	236628	80.488	ng	0.00
7) Phenol-d6	6.434	99	280636	73.669	ng	0.00
23) Nitrobenzene-d5	7.345	82	168115	55.881	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	71221	86.806	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	304625	58.812	ng	-0.01
79) Terphenyl-d14	12.910	244	333453	41.190	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	48687	7.007	ng	98
75) Fluoranthene	12.533	202	87693	11.798	ng	98
78) Pyrene	12.763	202	90861	8.181	ng	97
81) Benzo(a)anthracene	13.963	228	45379	5.776	ng	# 93
83) Chrysene	13.998	228	42710m	5.560	ng	
87) Indeno(1,2,3-cd)pyrene	16.998	276	16791m	2.712	ng	
88) Benzo(b)fluoranthene	15.027	252	43160m	7.534	ng	
89) Benzo(k)fluoranthene	15.057	252	12476m	2.305	ng	
90) Benzo(a)pyrene	15.410	252	30818	6.373	ng	# 83
92) Benzo(g,h,i)perylene	17.462	276	19444	3.737	ng	# 87

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

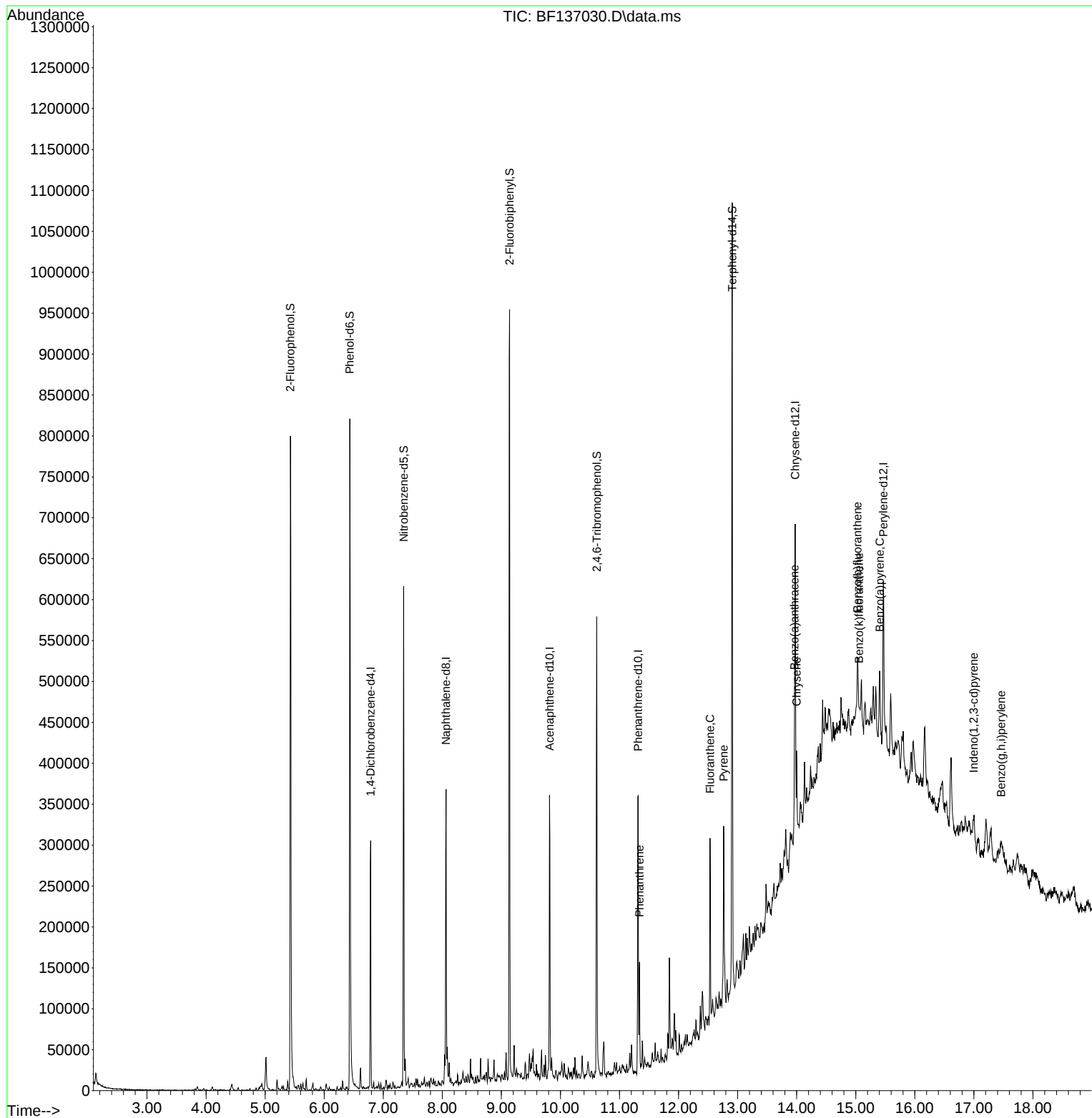
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
Data File : BF137030.D
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Operator : CG\JU
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Quant Time: Jan 11 00:03:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

CL-01-010824

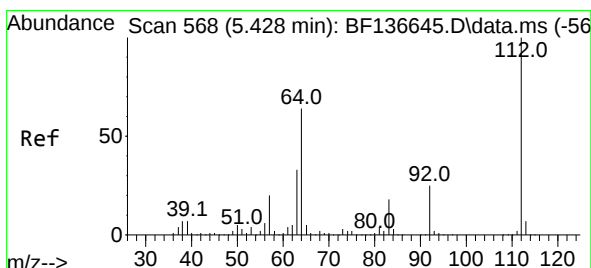
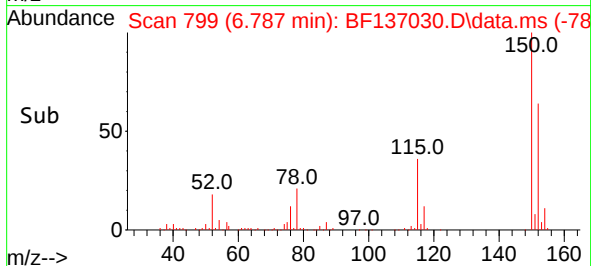
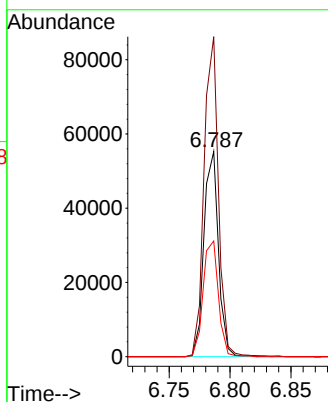
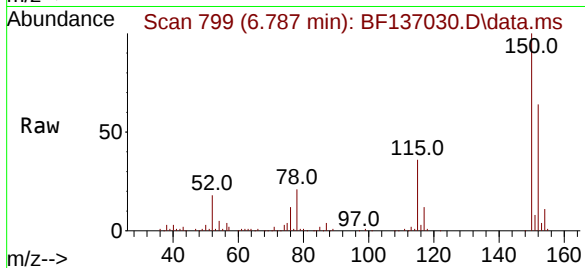
Tgt Ion:152 Resp: 4587
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 56.4 49.0 73.4

Manual Integrations

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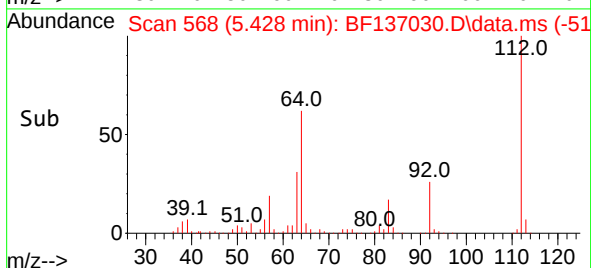
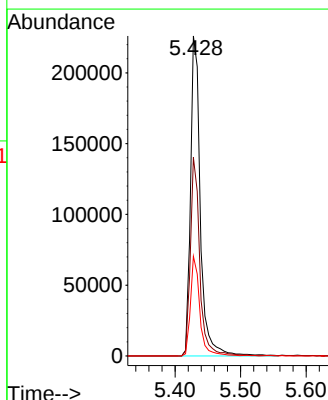
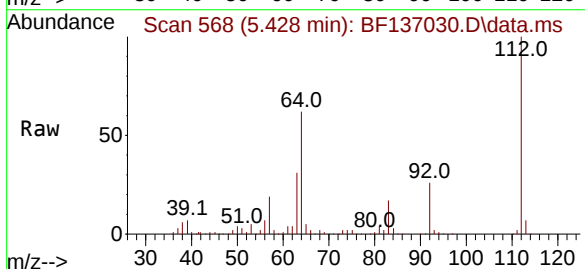
Reviewed By :Yogesh Patel 01/11/2024

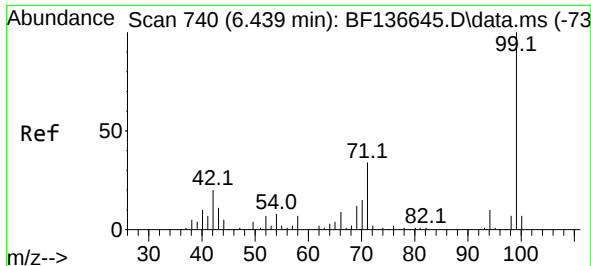
Supervised By :mohammad ahmed 01/12/2024



#5
2-Fluorophenol
Concen: 80.488 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

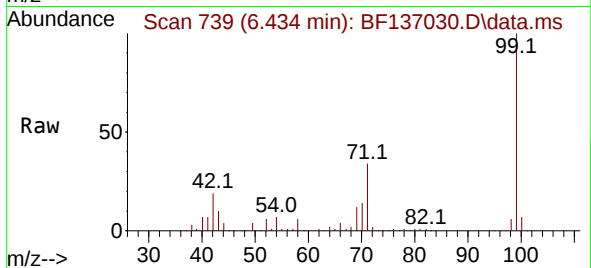
Tgt Ion:112 Resp: 236628
Ion Ratio Lower Upper
112 100
64 62.1 51.1 76.7
63 31.2 26.1 39.1





#7
Phenol-d6
Concen: 73.669 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

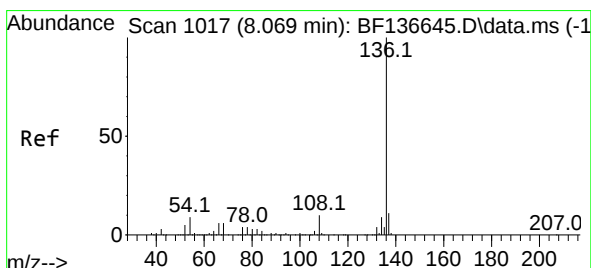
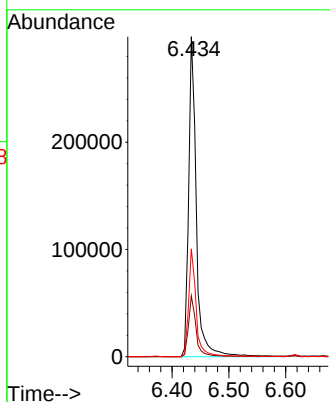
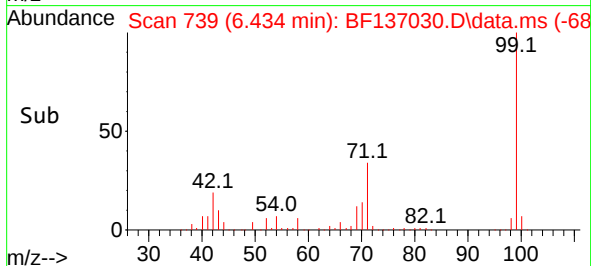
Instrument :
BNA_F
ClientSampleId :
CL-01-010824



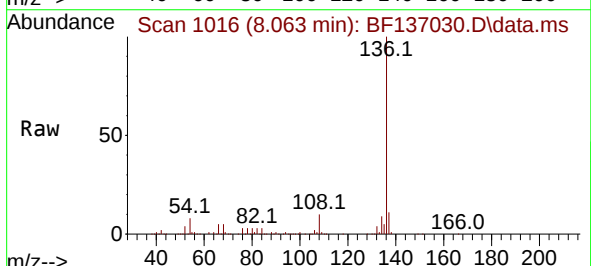
Tgt Ion: 99 Resp: 280630
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 33.7 27.4 41.2

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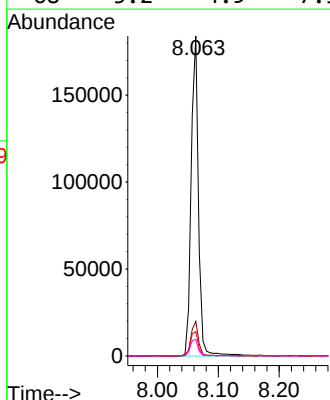
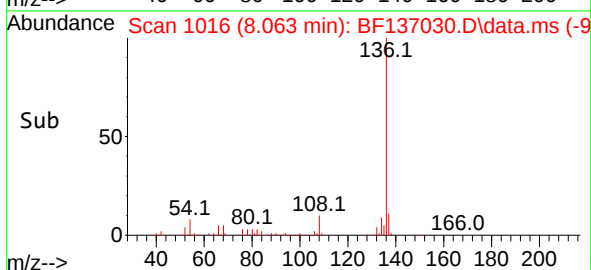
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33



Tgt Ion:136 Resp: 153946
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 7.6 7.2 10.8
68 5.2 4.9 7.3





#23
Nitrobenzene-d5
Concen: 55.881 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

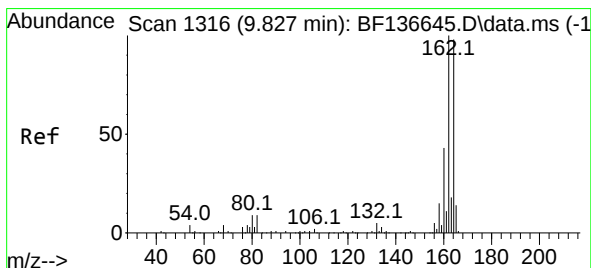
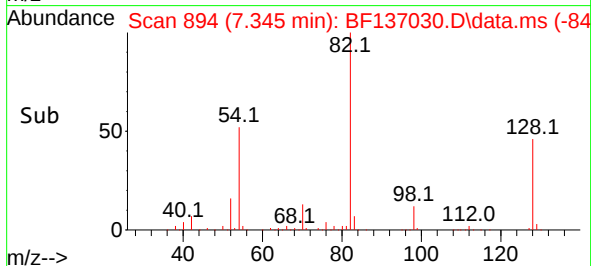
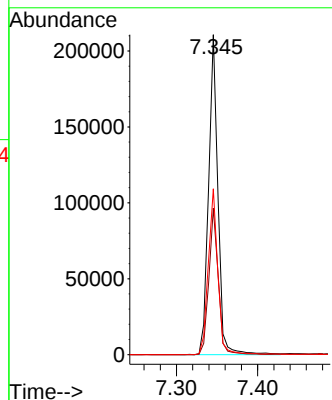
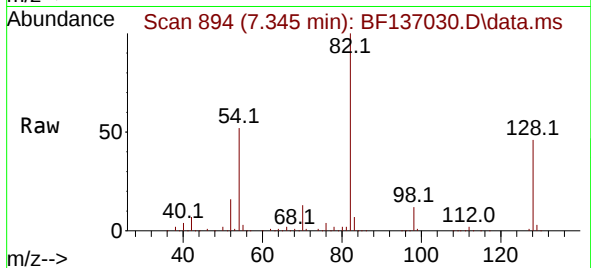
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Tgt Ion: 82 Resp: 16811
Ion Ratio Lower Upper
82 100
128 45.8 35.3 52.9
54 51.9 44.5 66.7

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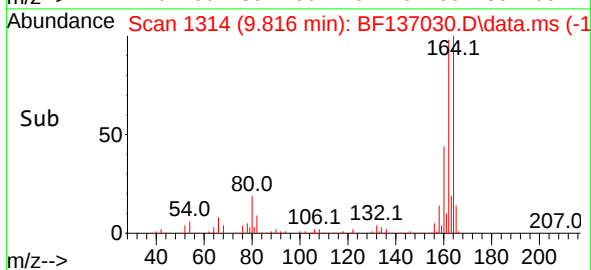
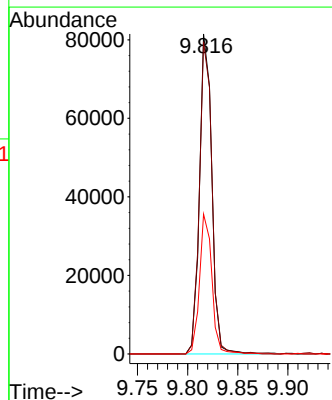
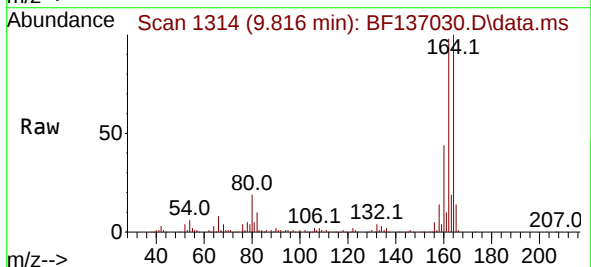
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Supervised By :mohammad ahmed 01/12/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Tgt Ion:164 Resp: 69665
Ion Ratio Lower Upper
164 100
162 97.6 81.6 122.4
160 43.7 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 86.806 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

CL-01-010824

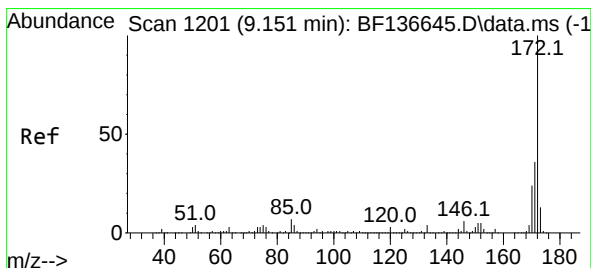
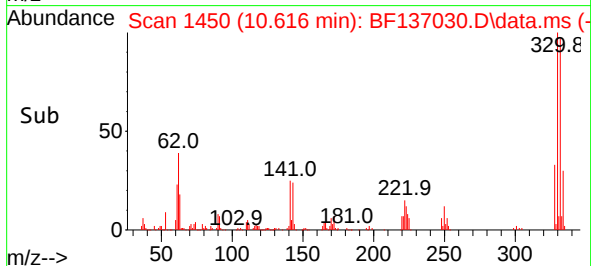
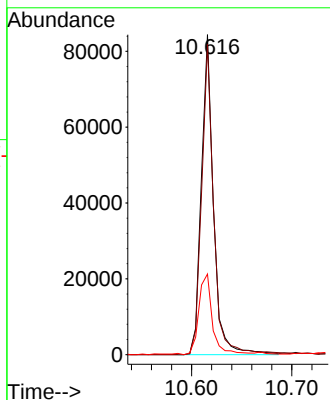
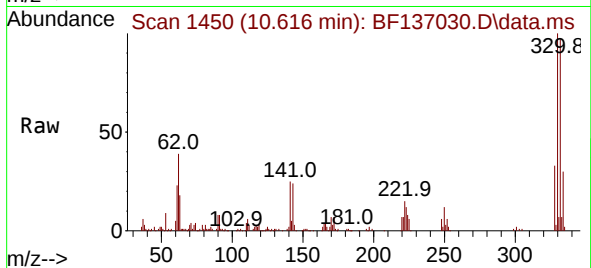
Tgt Ion:330 Resp: 7122
Ion Ratio Lower Upper
330 100
332 97.7 77.4 116.0
141 28.9 23.4 35.2

Manual Integrations

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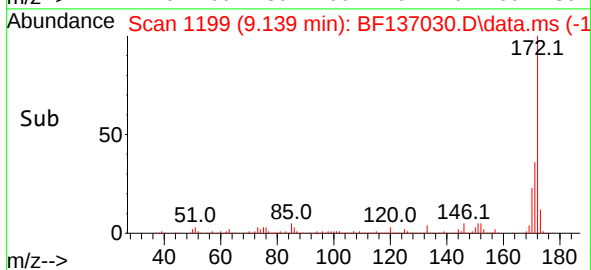
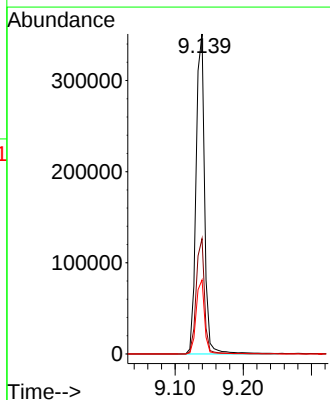
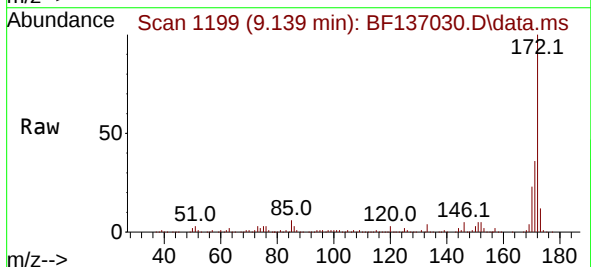
Reviewed By :Yogesh Patel 01/11/2024

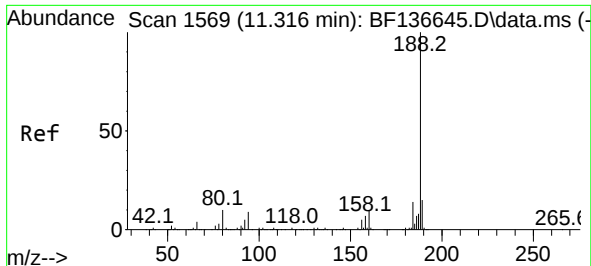
Supervised By :mohammad ahmed 01/12/2024



#45
2-Fluorobiphenyl
Concen: 58.812 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Tgt Ion:172 Resp: 304625
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 23.2 19.0 28.4





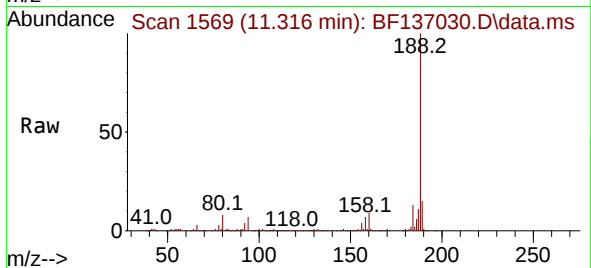
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

CL-01-010824



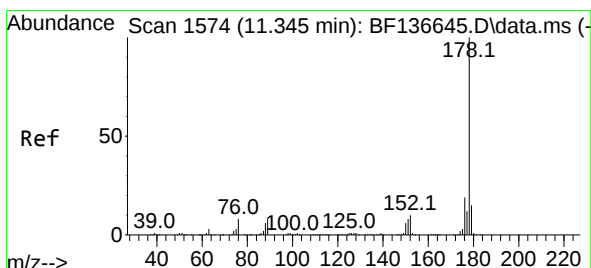
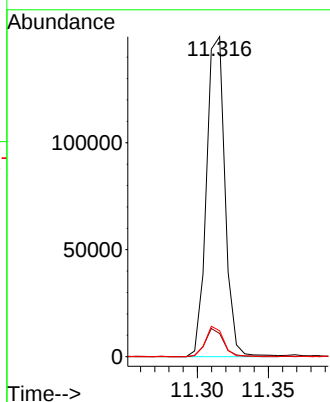
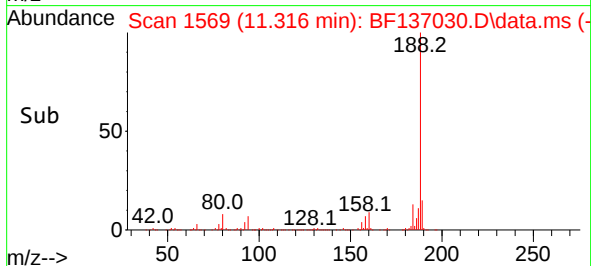
Tgt Ion:188 Resp: 135424
Ion Ratio Lower Upper
188 100
94 7.2 7.5 11.3
80 8.1 8.1 12.1

Manual Integrations

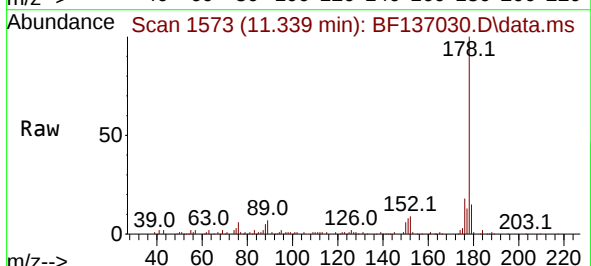
APPROVED

Reviewed By :Yogesh Patel 01/11/2024

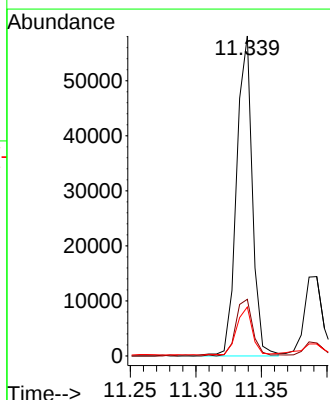
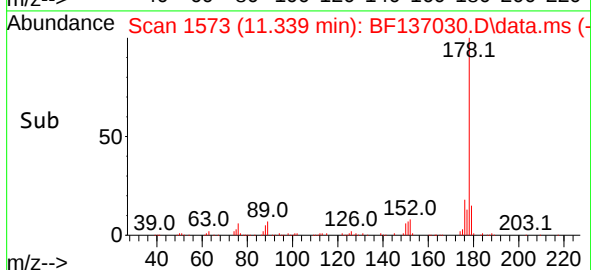
Supervised By :mohammad ahmed 01/12/2024

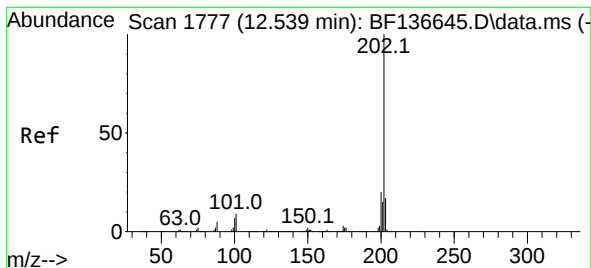


#71
Phenanthrene
Concen: 7.007 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33



Tgt Ion:178 Resp: 48687
Ion Ratio Lower Upper
178 100
176 17.7 15.3 22.9
179 15.3 11.9 17.9





#75

Fluoranthene

Concen: 11.798 ng

RT: 12.533 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

CL-01-010824

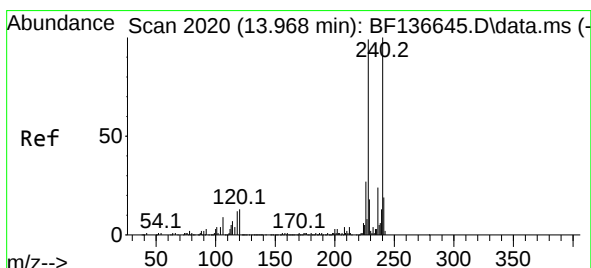
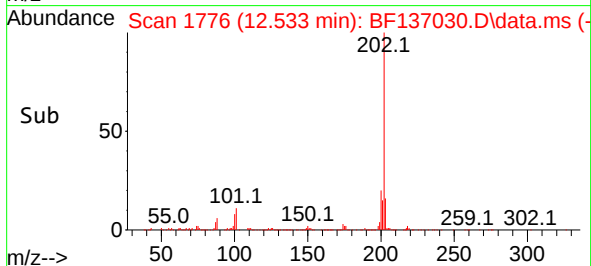
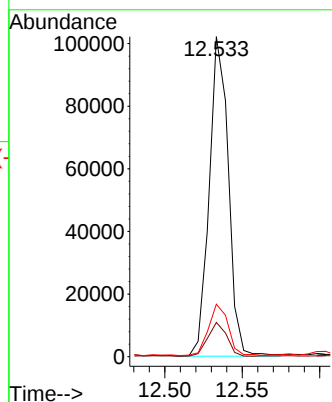
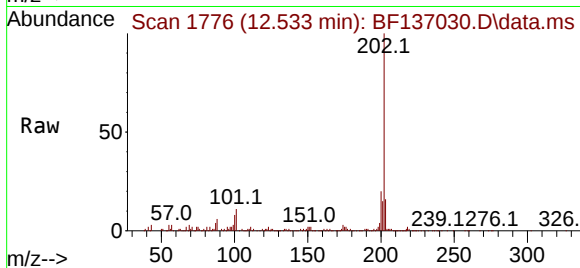
Tgt Ion:	202	Resp:	8769
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	29.3
203	16.4	0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

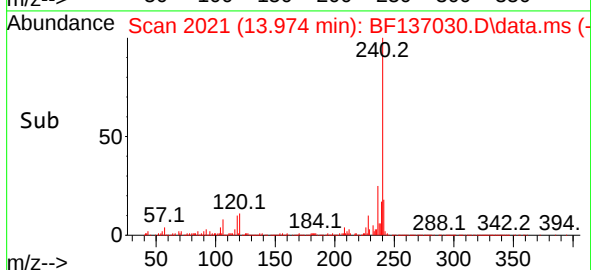
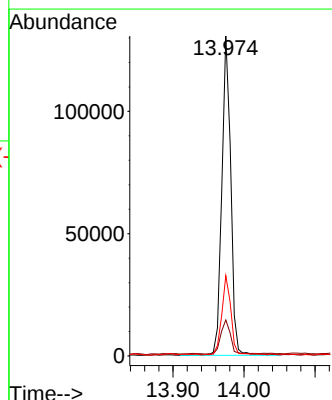
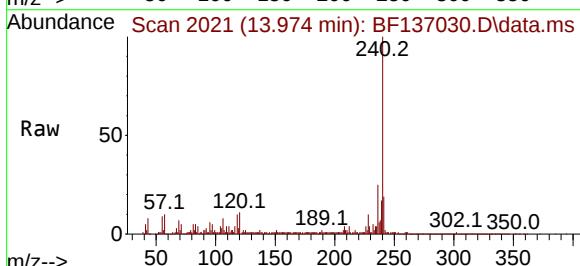
RT: 13.974 min Scan# 2021

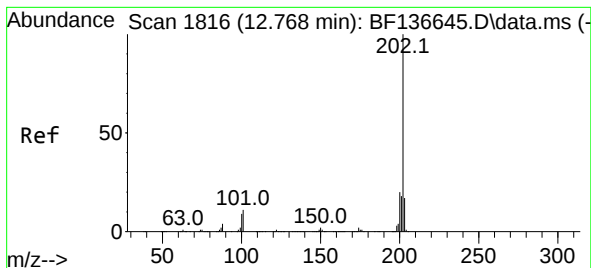
Delta R.T. 0.006 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Tgt Ion:	240	Resp:	113133
Ion Ratio	Lower	Upper	
240	100		
120	11.3	10.3	15.5
236	25.1	19.4	29.2





#78

Pyrene

Concen: 8.181 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

CL-01-010824

Tgt Ion:202 Resp: 9086

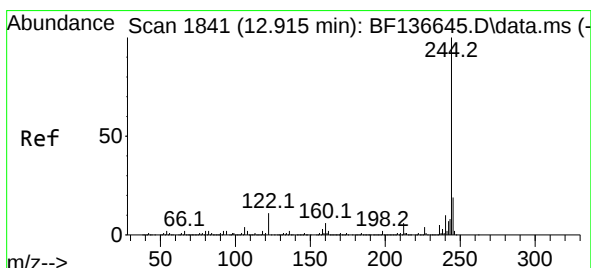
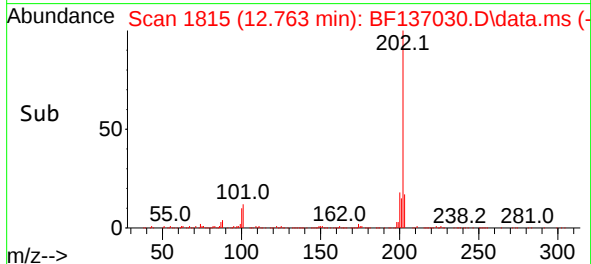
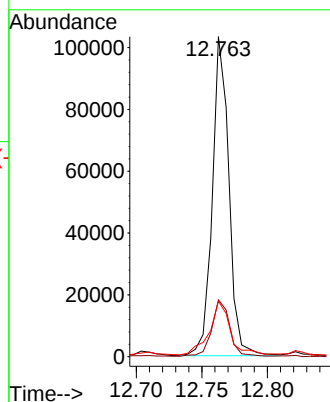
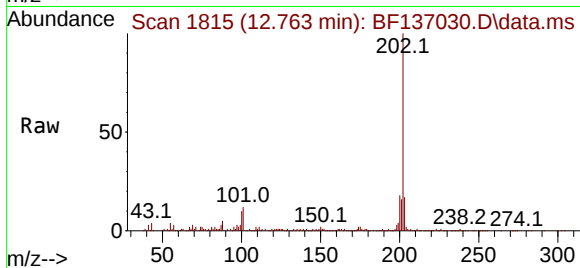
Ion	Ratio	Lower	Upper
202	100		
200	17.8	15.9	23.9
203	17.4	13.8	20.6

Manual Integrations

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Supervised By :mohammad ahmed 01/12/2024



#79

Terphenyl-d14

Concen: 41.190 ng

RT: 12.910 min Scan# 1840

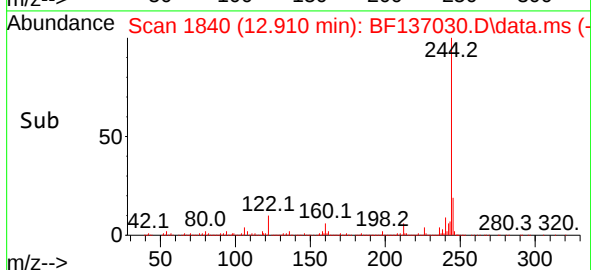
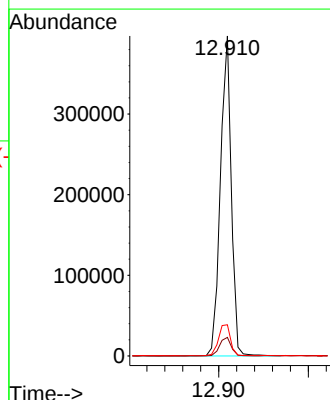
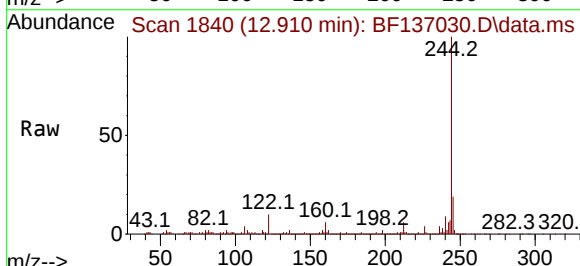
Delta R.T. -0.006 min

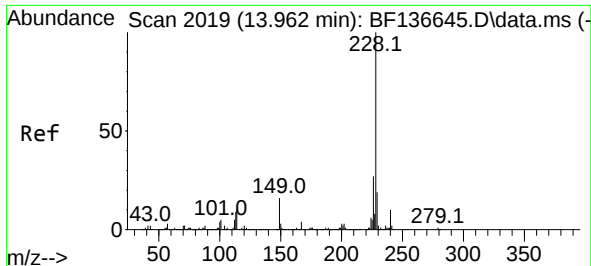
Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Tgt Ion:244 Resp: 333453

Ion	Ratio	Lower	Upper
244	100		
212	5.8	5.0	7.4
122	9.8	9.0	13.4





#81
Benzo(a)anthracene
Concen: 5.776 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

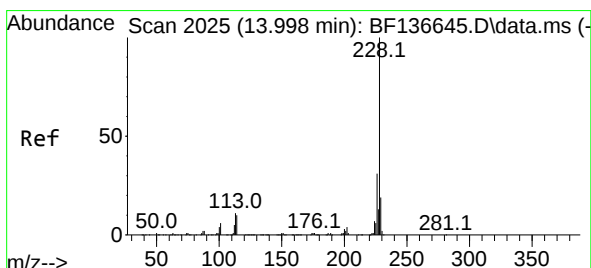
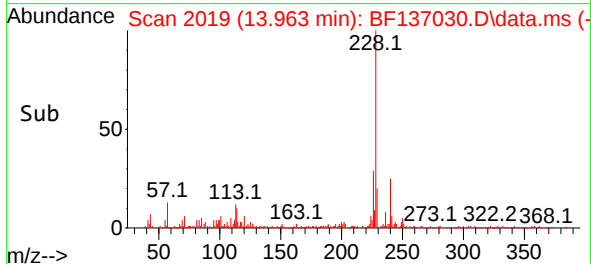
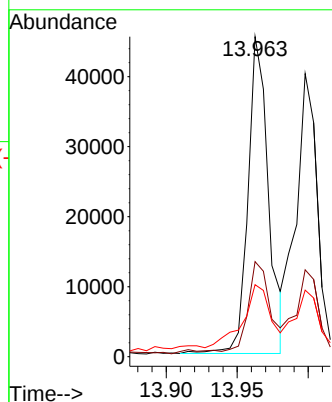
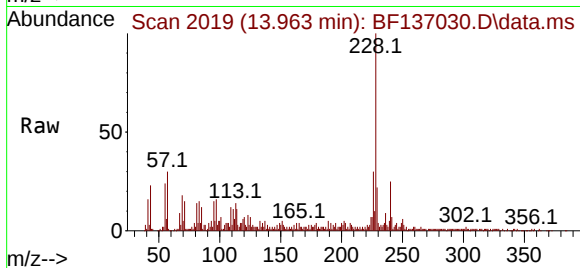
CL-01-010824

Tgt Ion:228 Resp: 45379
Ion Ratio Lower Upper
228 100
226 29.7 21.4 32.0
229 22.5 14.9 22.3

Manual Integrations

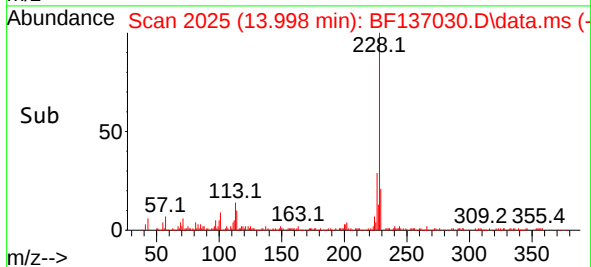
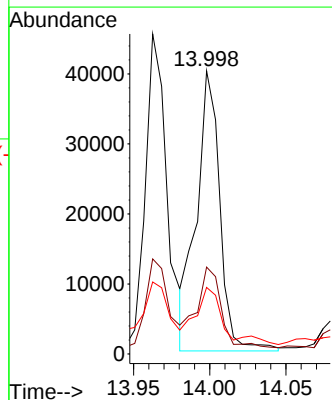
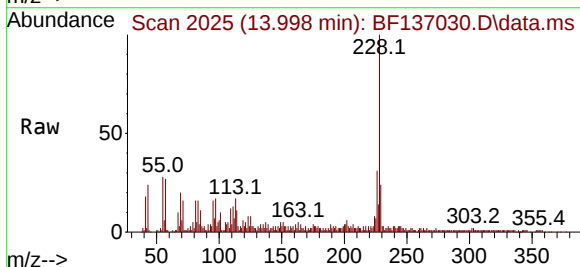
APPROVED

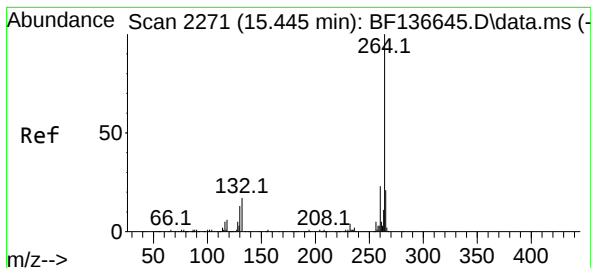
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#83
Chrysene
Concen: 5.560 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Tgt Ion:228 Resp: 42710
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 23.5 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

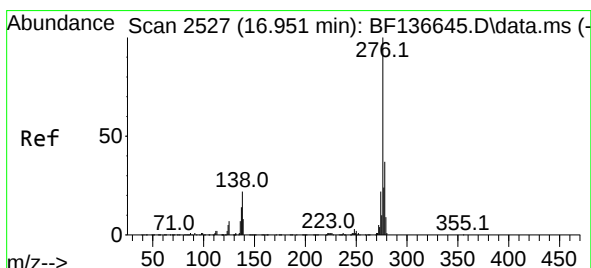
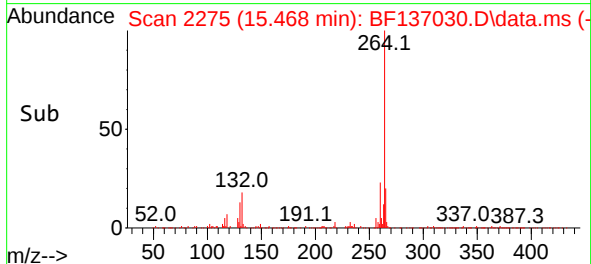
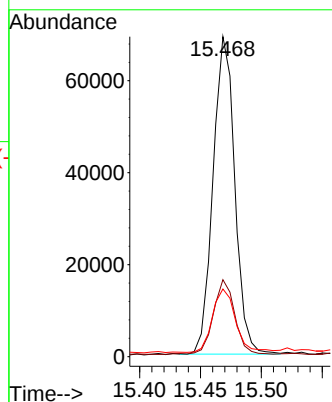
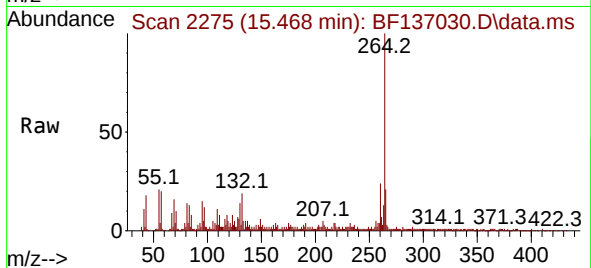
CL-01-010824

Tgt Ion:264 Resp: 8576
Ion Ratio Lower Upper
264 100
260 24.1 18.3 27.5
265 21.2 17.0 25.6

Manual Integrations

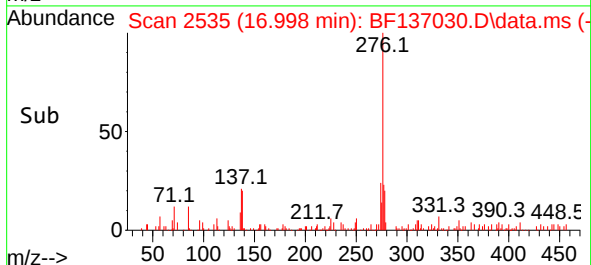
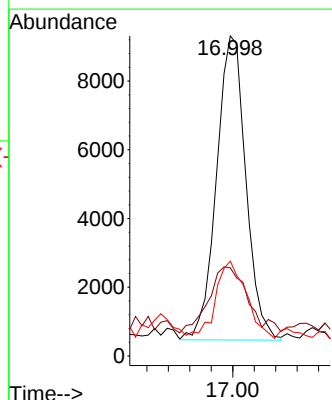
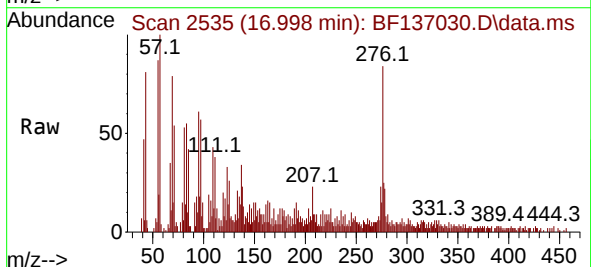
APPROVED

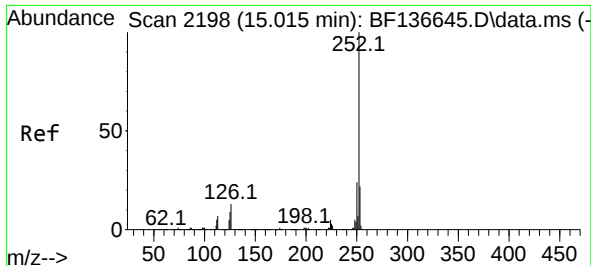
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.712 ng m
RT: 16.998 min Scan# 2535
Delta R.T. 0.047 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

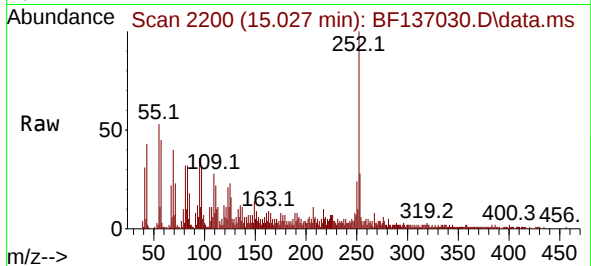
Tgt Ion:276 Resp: 16791
Ion Ratio Lower Upper
276 100
138 1.3 18.7 28.1#
277 1.2 20.2 30.2#





#88
Benzo(b)fluoranthene
Concen: 7.534 ng m
RT: 15.027 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

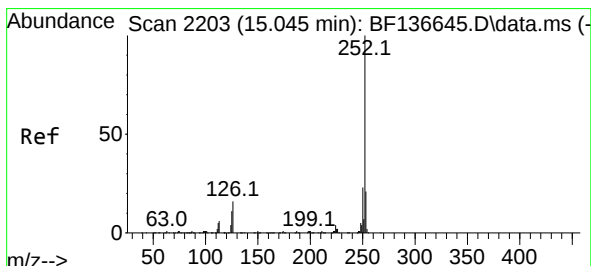
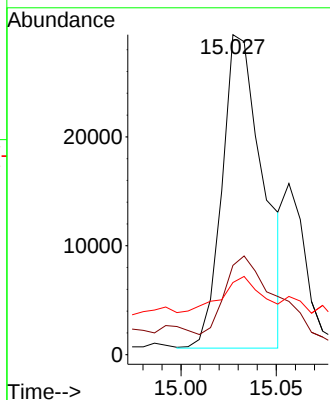
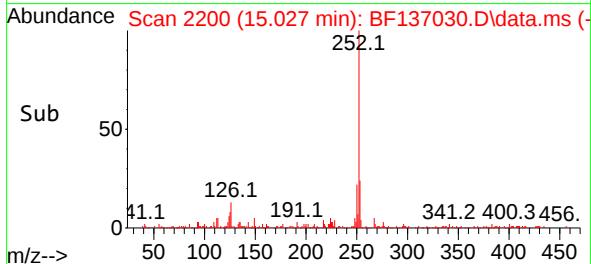
Instrument :
BNA_F
ClientSampleId :
CL-01-010824



Tgt Ion:252 Resp: 43160
Ion Ratio Lower Upper
252 100
253 27.9 17.4 26.0#
125 22.5 7.4 11.2#

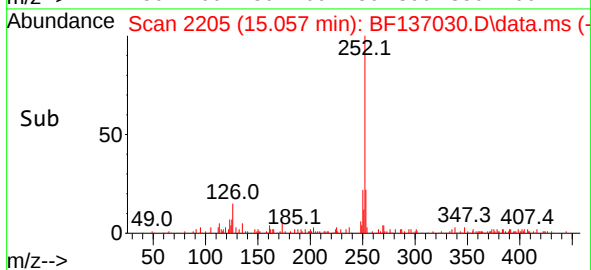
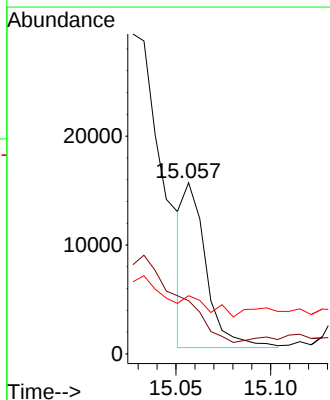
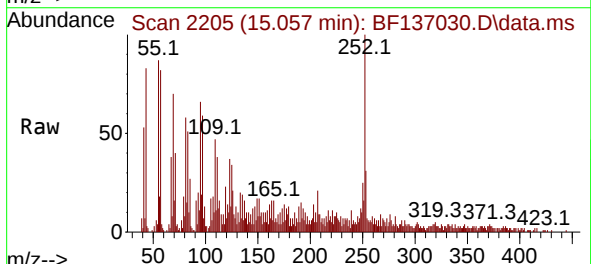
Manual Integrations
APPROVED

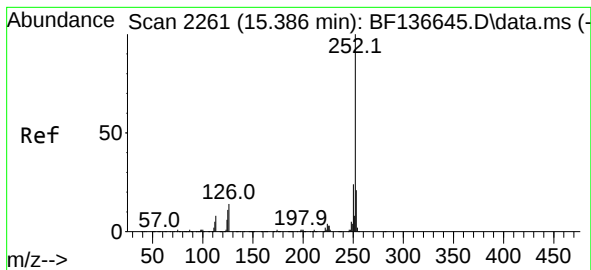
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#89
Benzo(k)fluoranthene
Concen: 2.305 ng m
RT: 15.057 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF137030.D
Acq: 10 Jan 2024 20:33

Tgt Ion:252 Resp: 12476
Ion Ratio Lower Upper
252 100
253 31.1 17.0 25.6#
125 34.0 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 6.373 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA_F

ClientSampleId :

CL-01-010824

Tgt Ion:252 Resp: 30818

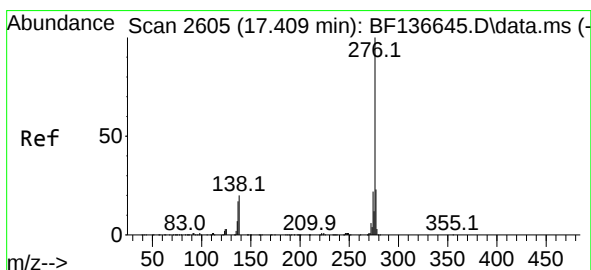
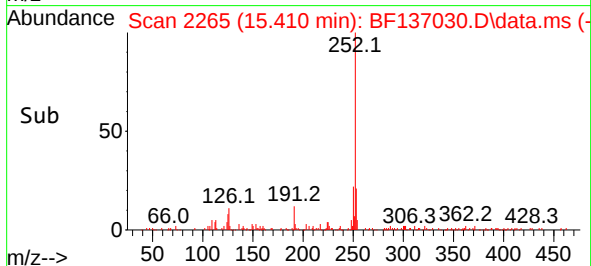
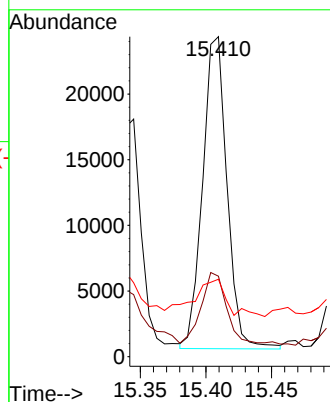
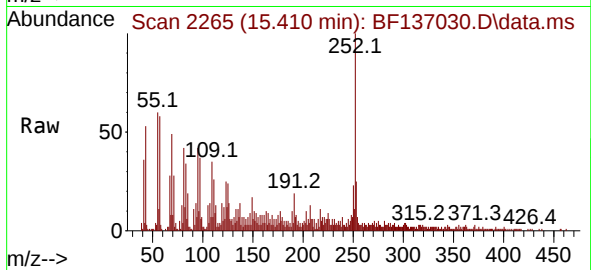
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	24.2	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#92

Benzo(g,h,i)perylene

Concen: 3.737 ng

RT: 17.462 min Scan# 2614

Delta R.T. 0.053 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Tgt Ion:276 Resp: 19444

Ion	Ratio	Lower	Upper
276	100		
277	28.3	18.3	27.5#
138	26.7	15.6	23.4#

