

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136157.D
 Acq On : 06 Nov 2023 16:28
 Operator : CG\JU
 Sample : 05256-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2023
 Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 16:58:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	80592	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	307316	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	154275	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	249982	20.000	ng	0.00
76) Chrysene-d12	14.004	240	164217	20.000	ng	0.00
86) Perylene-d12	15.492	264	195986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	476701	92.949	ng	0.00
7) Phenol-d6	6.451	99	576547	90.227	ng	0.00
23) Nitrobenzene-d5	7.381	82	362482	71.104	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	152776	92.777	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	709706	73.333	ng	0.00
79) Terphenyl-d14	12.951	244	569227	53.868	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	174134	13.835	ng	99
75) Fluoranthene	12.568	202	268981	20.802	ng	96
78) Pyrene	12.798	202	242367	16.740	ng	98
81) Benzo(a)anthracene	13.992	228	121814	11.205	ng	97
83) Chrysene	14.027	228	119870	11.196	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	48457	3.783	ng	94
88) Benzo(b)fluoranthene	15.057	252	164528m	14.187	ng	
89) Benzo(k)fluoranthene	15.080	252	47003m	4.096	ng	
90) Benzo(a)pyrene	15.427	252	110015	10.210	ng	98
92) Benzo(g,h,i)perylene	17.451	276	43636	6.328	ng	95

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

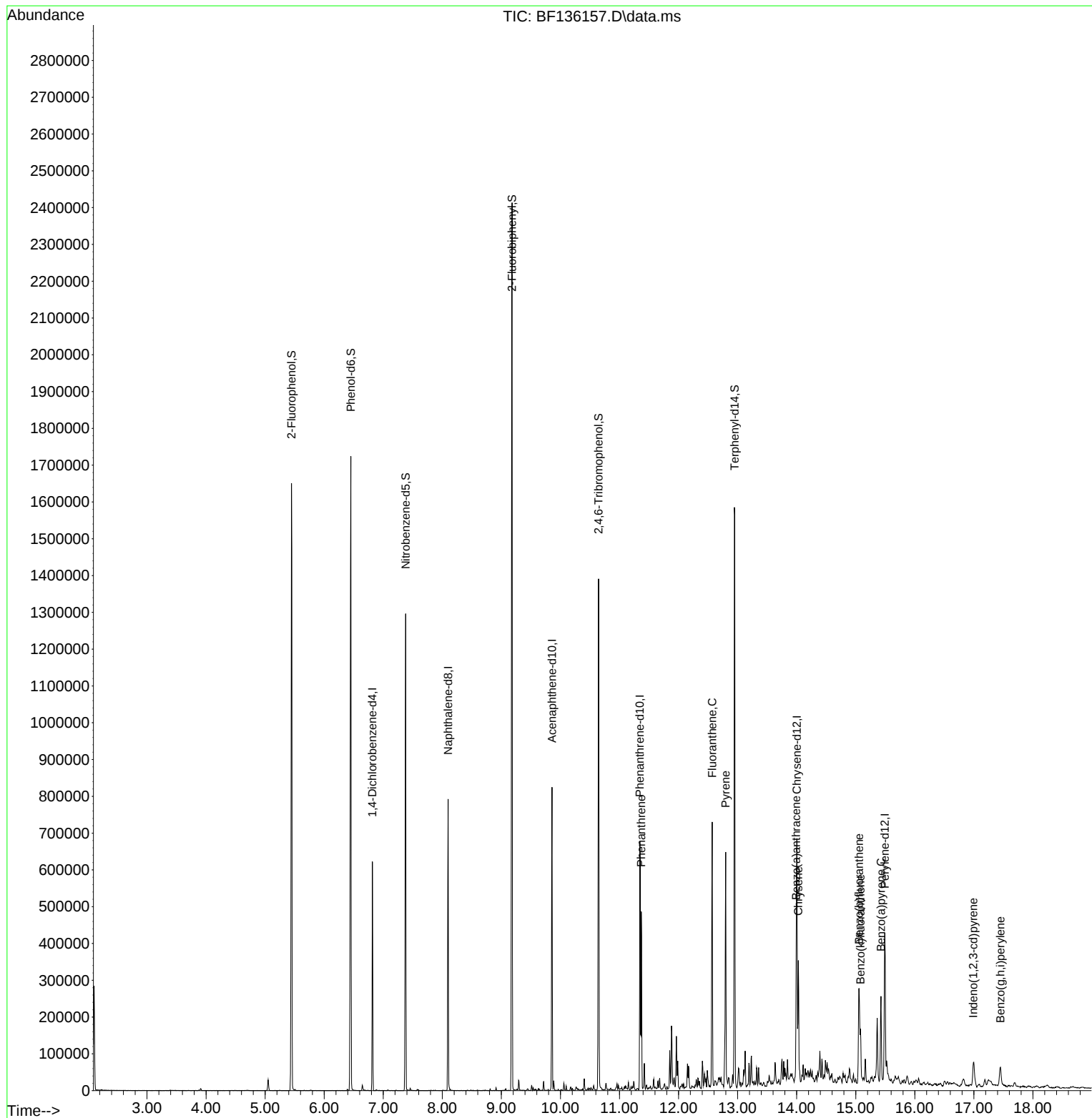
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136157.D
Acq On : 06 Nov 2023 16:28
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Sample : 05256-01
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ALS Vial : 10 Sample Multiplier: 1

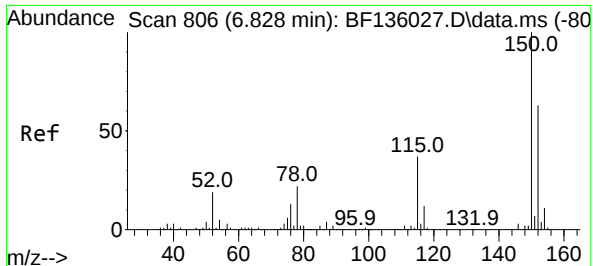
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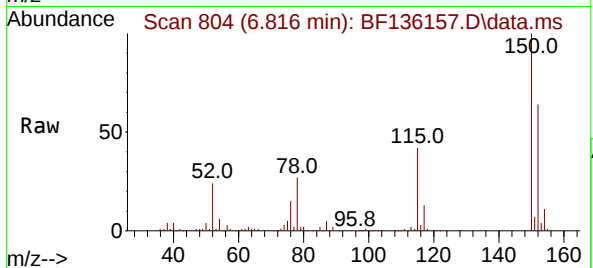
Quant Time: Nov 06 16:58:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

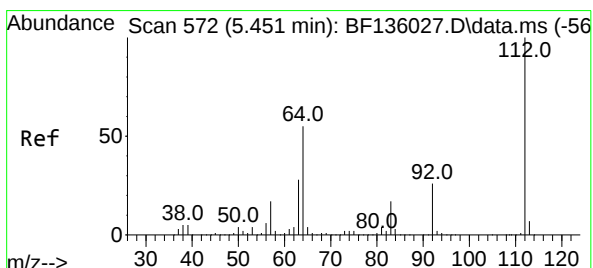
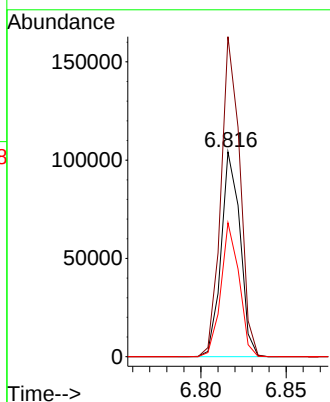
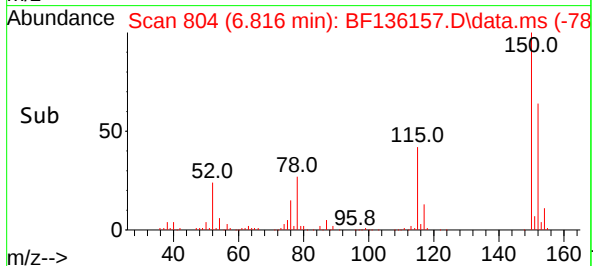
Instrument :
BNA_F
ClientSampleId :
WC-1



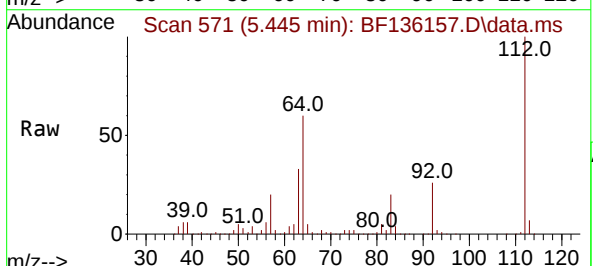
Tgt Ion:152 Resp: 80592
Ion Ratio Lower Upper
152 100
150 156.2 126.4 189.6
115 65.4 47.0 70.4

Manual Integrations
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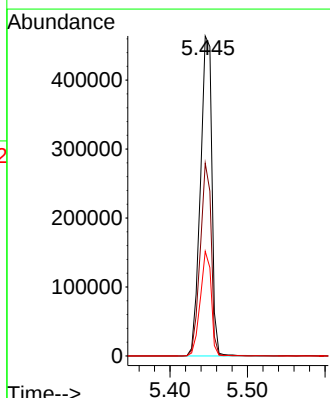
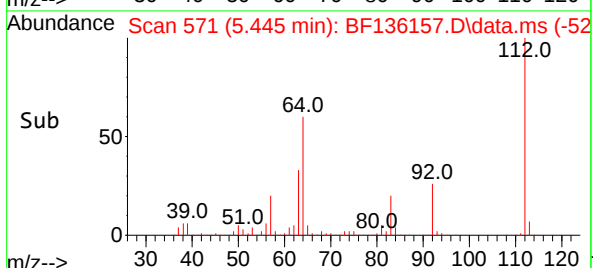
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#5
2-Fluorophenol
Concen: 92.949 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28



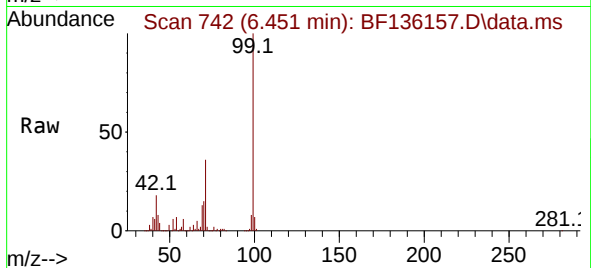
Tgt Ion:112 Resp: 476701
Ion Ratio Lower Upper
112 100
64 60.2 43.9 65.9
63 32.7 22.4 33.6





#7
Phenol-d6
Concen: 90.227 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

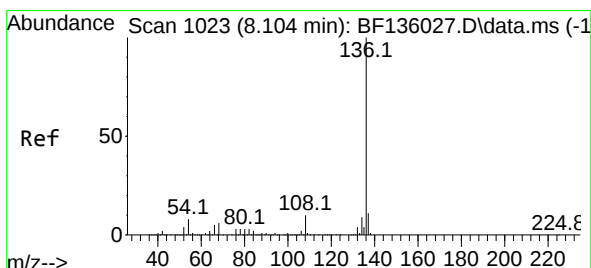
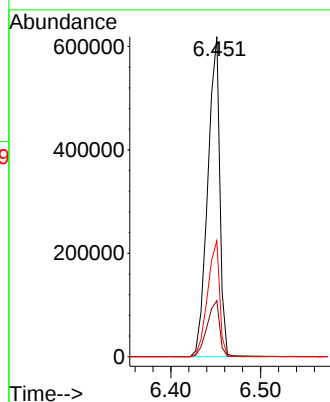
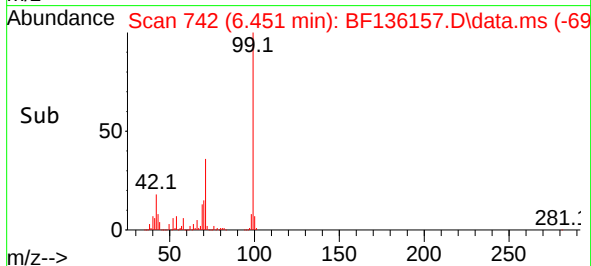
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 57654
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 36.3 25.9 38.9

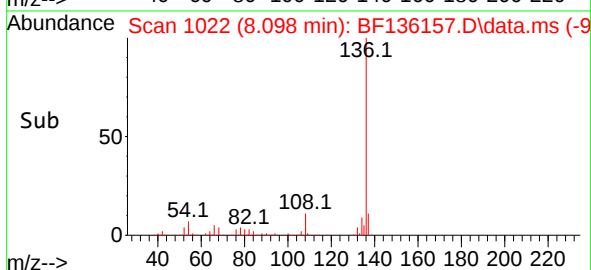
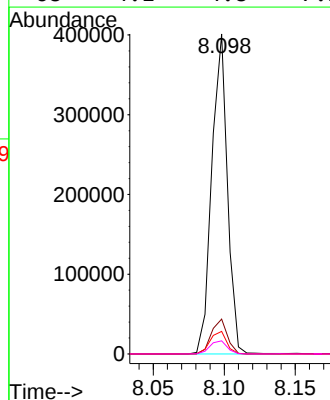
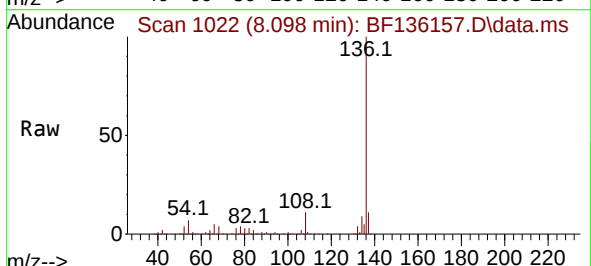
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

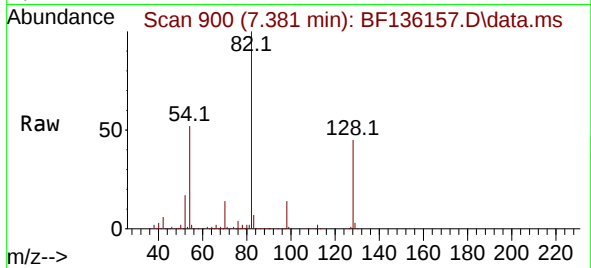
Tgt Ion:136 Resp: 307316
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.1 6.6 9.8
68 4.1 4.8 7.2#





#23
Nitrobenzene-d5
Concen: 71.104 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

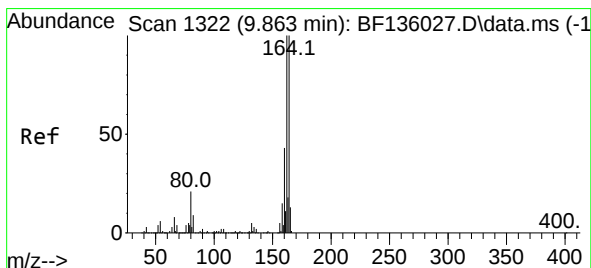
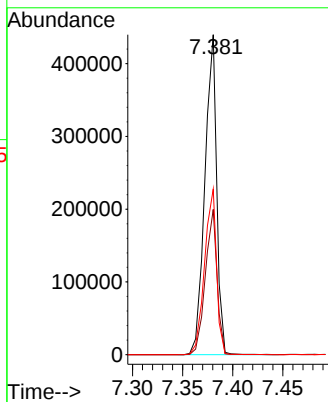
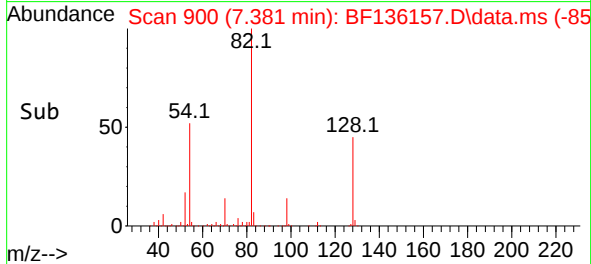
Instrument :
BNA_F
ClientSampleId :
WC-1



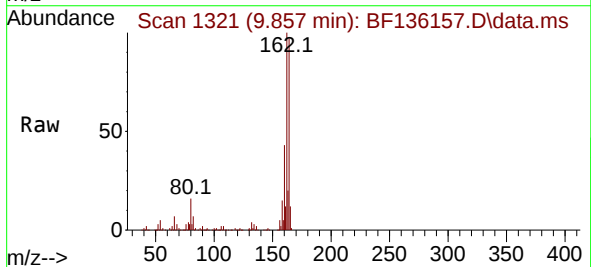
Tgt Ion: 82 Resp: 36248
Ion Ratio Lower Upper
82 100
128 45.4 38.6 57.8
54 51.8 40.8 61.2

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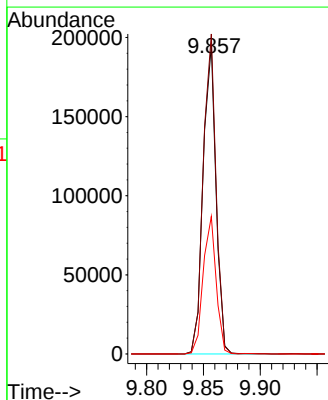
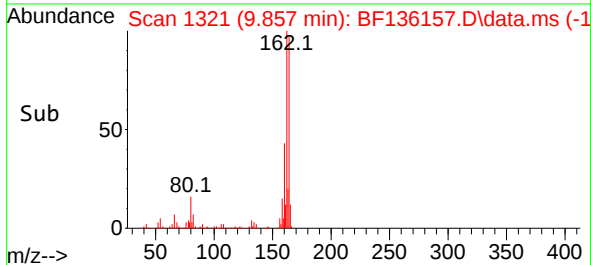
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

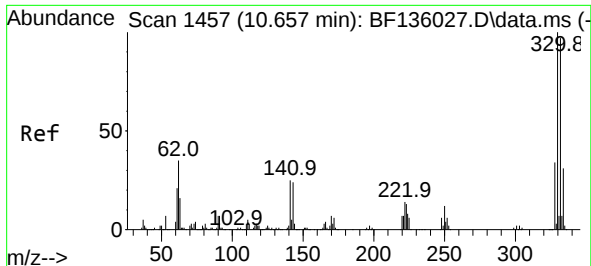


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28



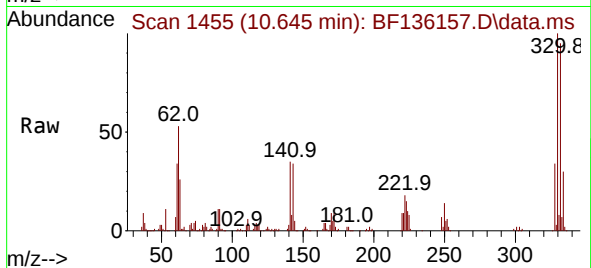
Tgt Ion:164 Resp: 154275
Ion Ratio Lower Upper
164 100
162 103.6 80.1 120.1
160 44.5 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 92.777 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

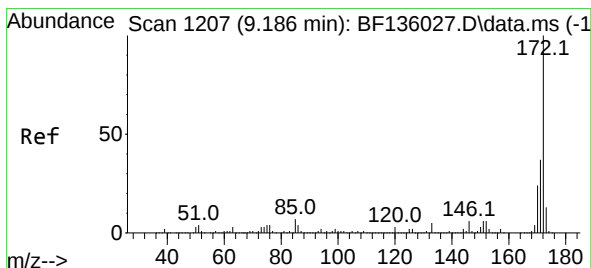
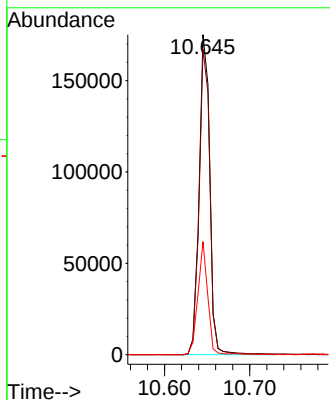
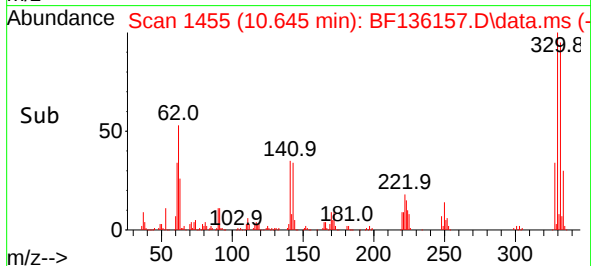
Instrument :
BNA_F
ClientSampleId :
WC-1



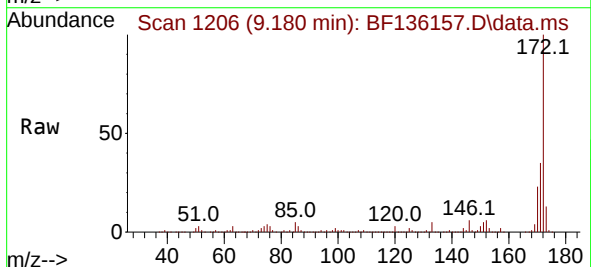
Tgt Ion:330 Resp: 152770
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 32.7 23.2 34.8

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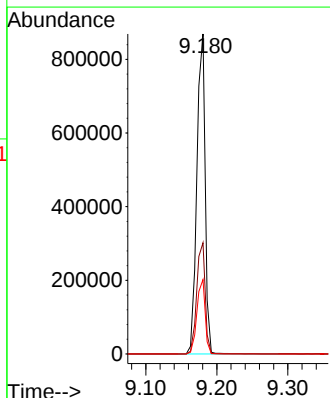
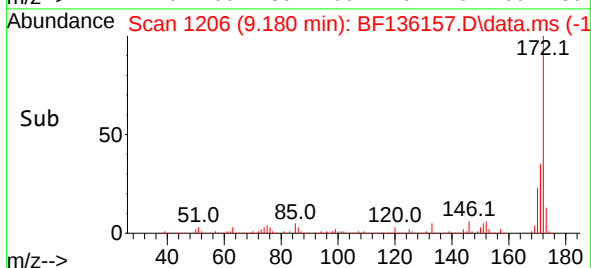
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

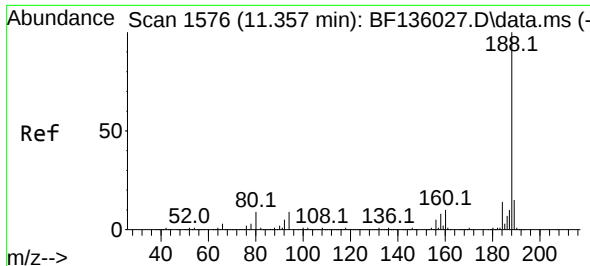


#45
2-Fluorobiphenyl
Concen: 73.333 ng
RT: 9.180 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28



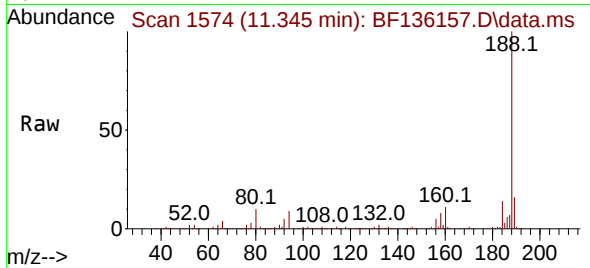
Tgt Ion:172 Resp: 709706
Ion Ratio Lower Upper
172 100
171 34.8 29.4 44.0
170 23.2 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

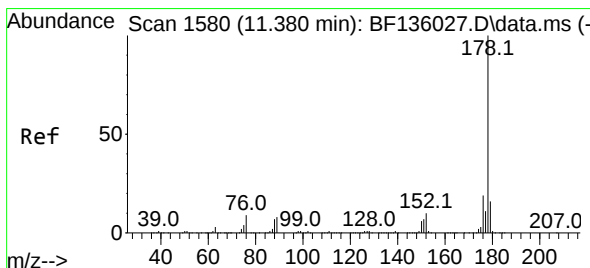
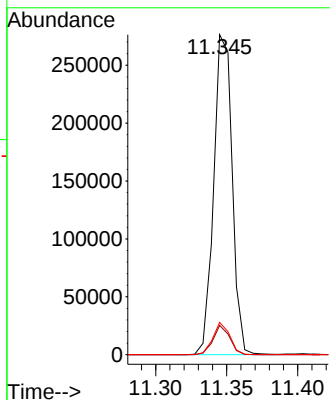
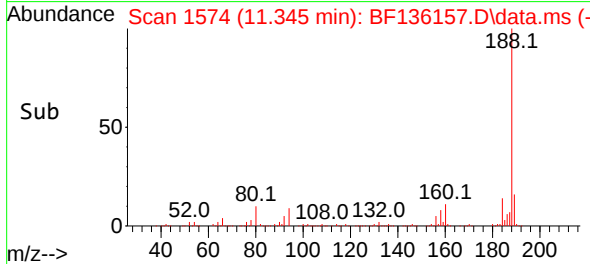
Instrument :
BNA_F
ClientSampleId :
WC-1



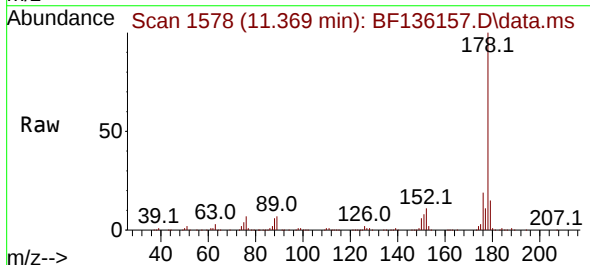
Tgt Ion:188 Resp: 24998
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.1 7.4 11.0

Manual Integrations
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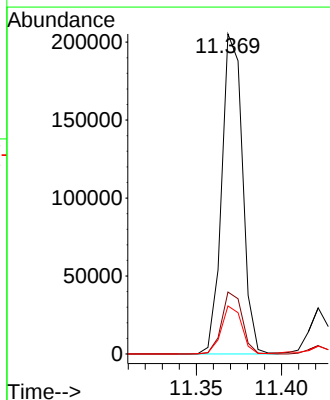
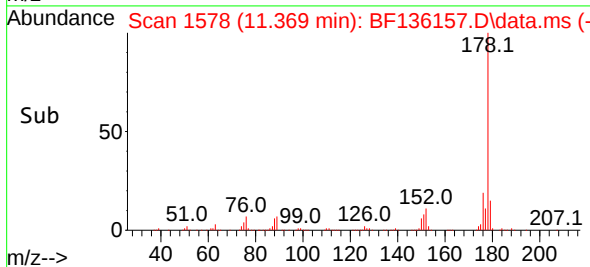
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

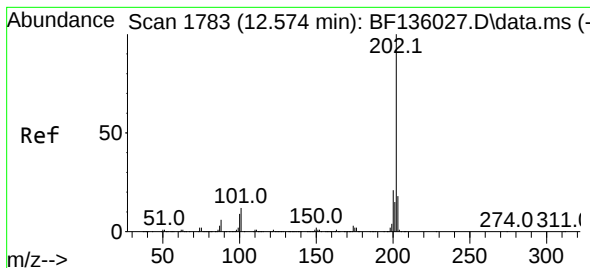


#71
Phenanthrene
Concen: 13.835 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28



Tgt Ion:178 Resp: 174134
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.0 12.9 19.3





#75

Fluoranthene

Concen: 20.802 ng

RT: 12.568 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

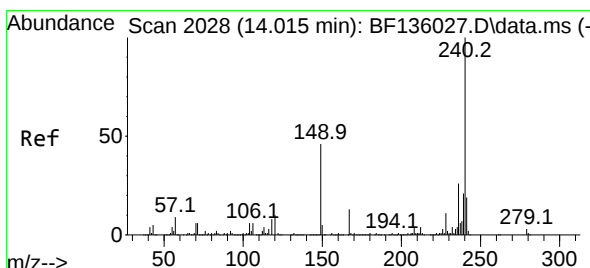
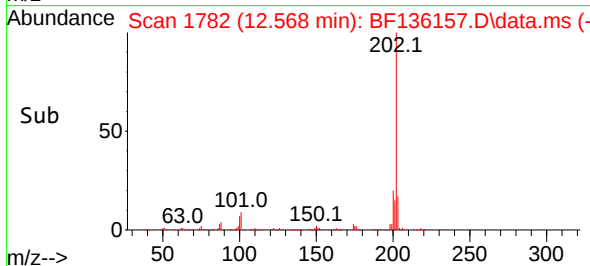
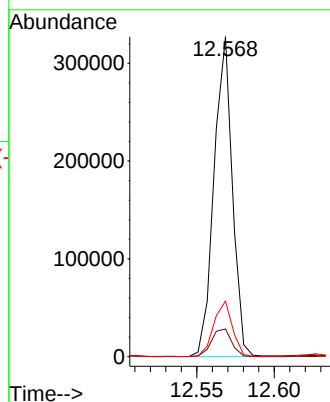
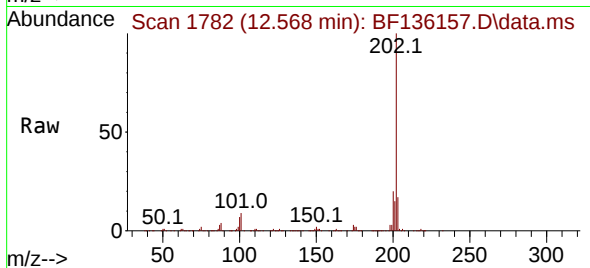
Tgt Ion:	202	Resp:	26898
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	31.8
203	17.3	0.0	37.9

Manual Integrations

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Supervised By :mohammad ahmed 11/08/2023



#76

Chrysene-d12

Concen: 20.000 ng

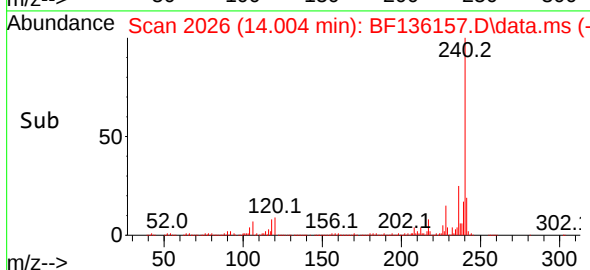
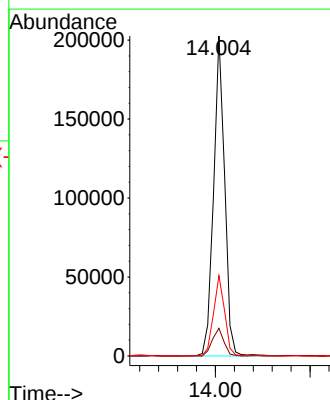
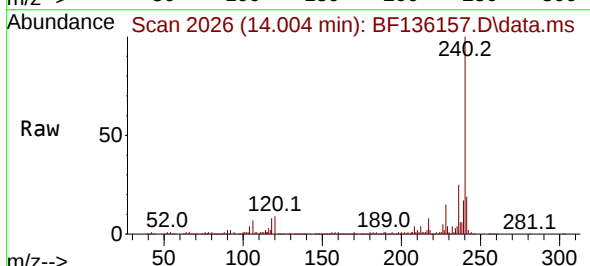
RT: 14.004 min Scan# 2026

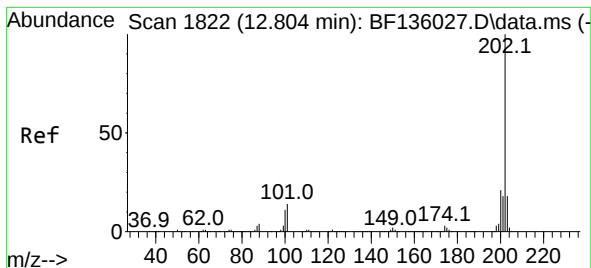
Delta R.T. -0.006 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Tgt Ion:	240	Resp:	164217
Ion Ratio	Lower	Upper	
240	100		
120	8.7	7.6	11.4
236	25.1	20.6	31.0





#78

Pyrene

Concen: 16.740 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

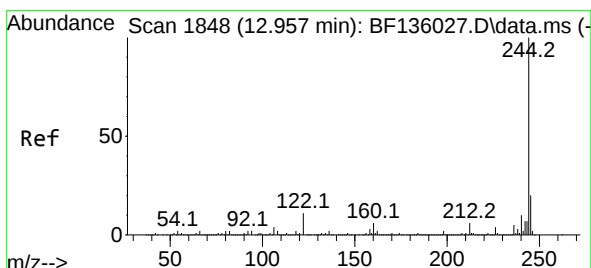
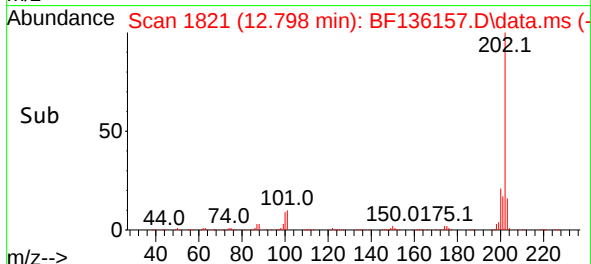
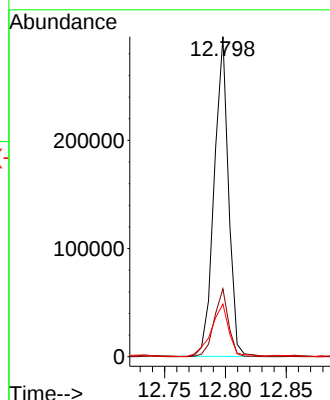
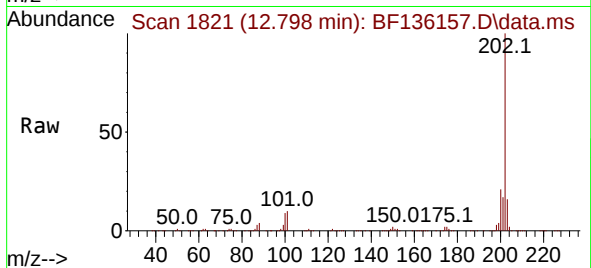
Tgt Ion:202	Resp: 24236
Ion Ratio	Lower Upper
202 100	
200 21.2	17.0 25.4
203 16.5	14.4 21.6

Manual Integrations

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Supervised By :mohammad ahmed 11/08/2023



#79

Terphenyl-d14

Concen: 53.868 ng

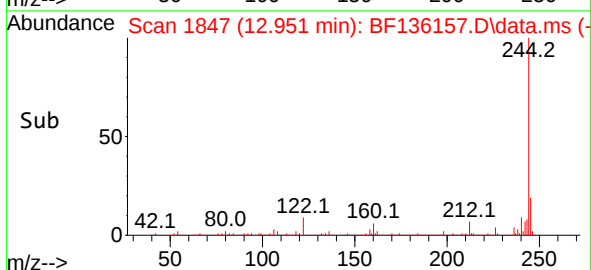
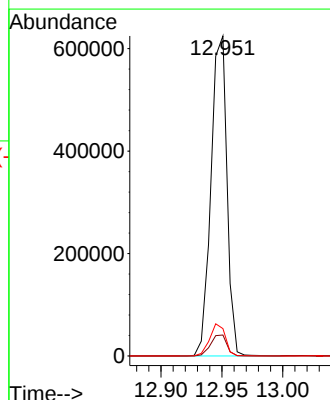
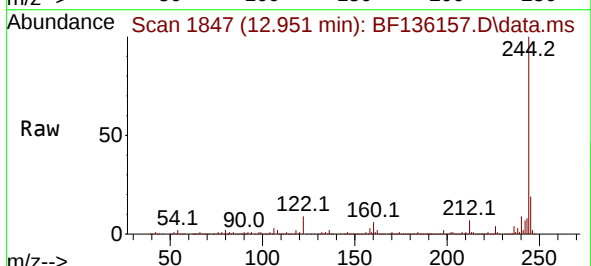
RT: 12.951 min Scan# 1847

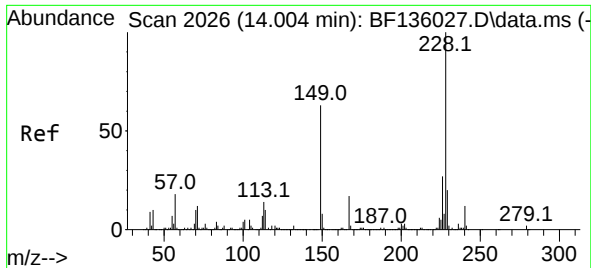
Delta R.T. 0.000 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Tgt Ion:244	Resp: 569227
Ion Ratio	Lower Upper
244 100	
212 6.5	5.1 7.7
122 8.6	8.6 12.8





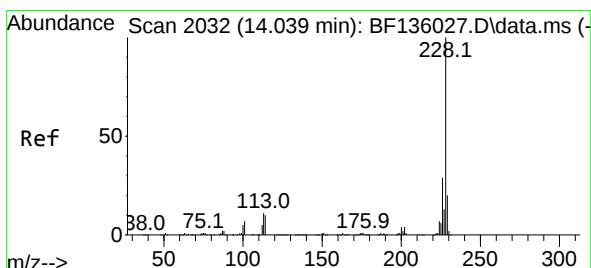
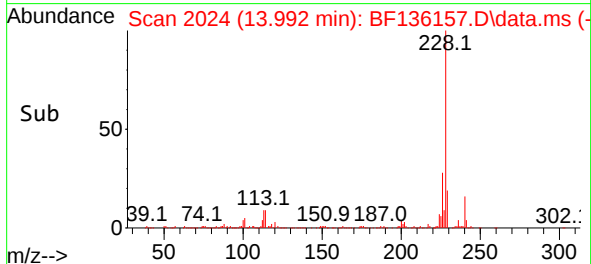
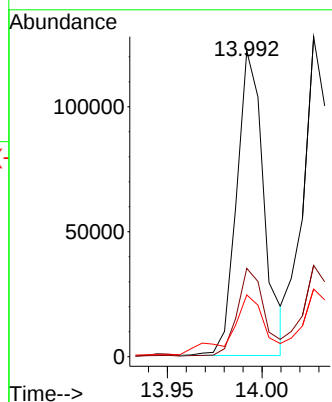
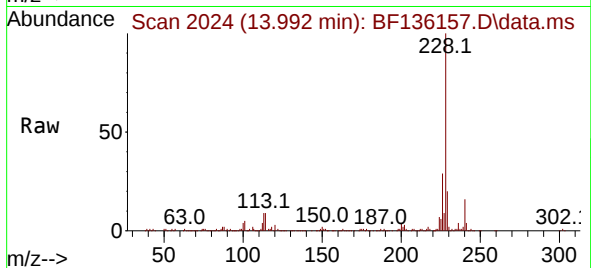
#81
Benzo(a)anthracene
Concen: 11.205 ng
RT: 13.992 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:228 Resp: 121814
Ion Ratio Lower Upper
228 100
226 28.9 21.5 32.3
229 20.2 15.8 23.6

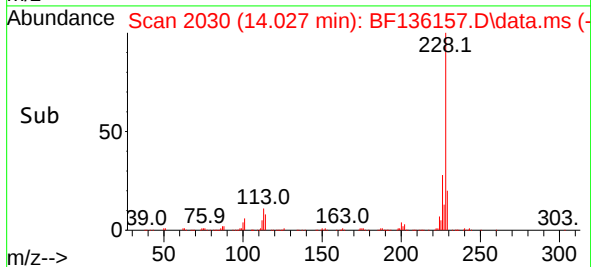
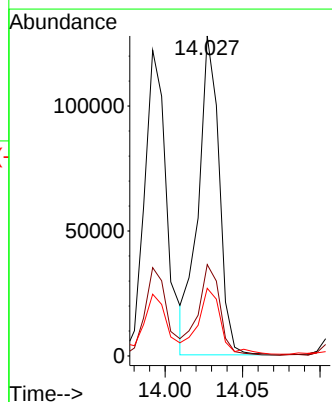
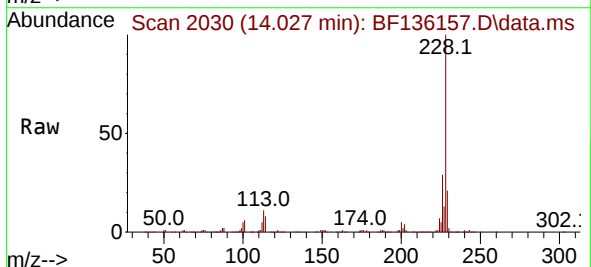
Manual Integrations
APPROVED

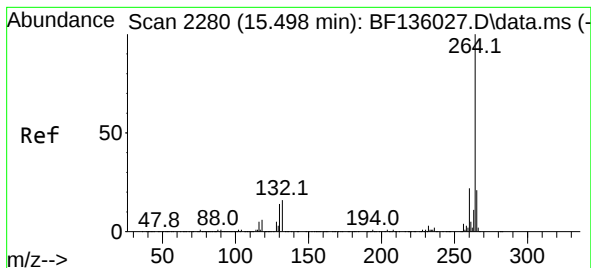
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#83
Chrysene
Concen: 11.196 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion:228 Resp: 119870
Ion Ratio Lower Upper
228 100
226 28.6 23.5 35.3
229 21.1 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

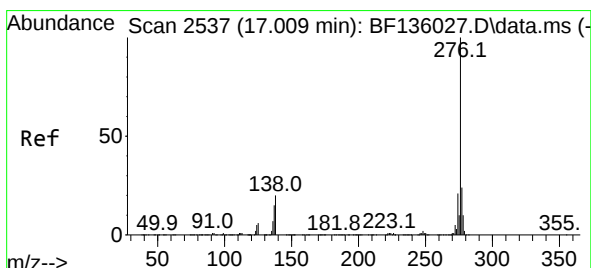
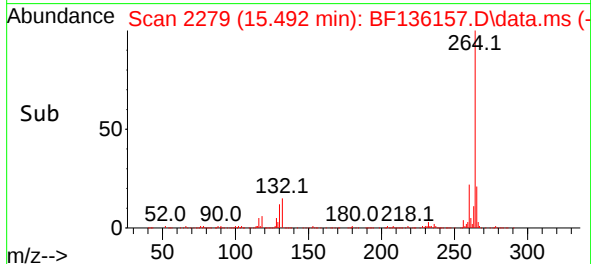
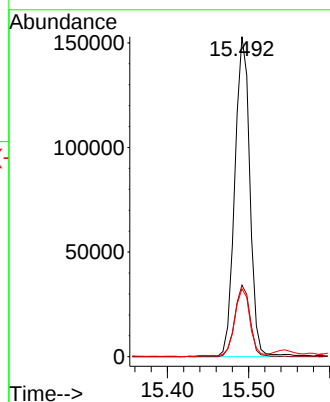
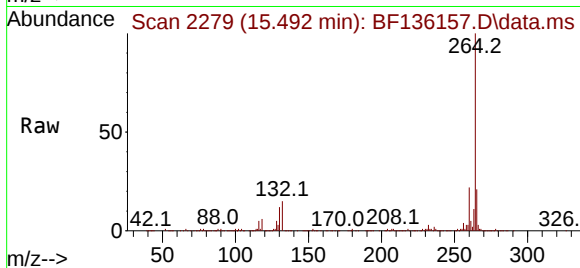
Tgt Ion:	264	Resp:	19598
Ion Ratio	Lower	Upper	
264	100		
260	22.4	17.9	26.9
265	21.2	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.783 ng

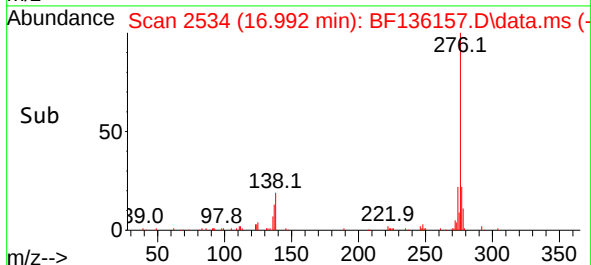
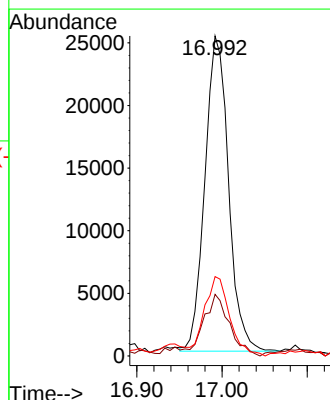
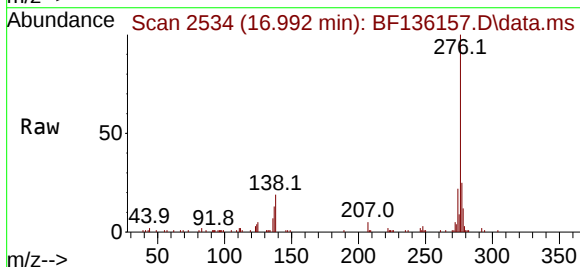
RT: 16.992 min Scan# 2534

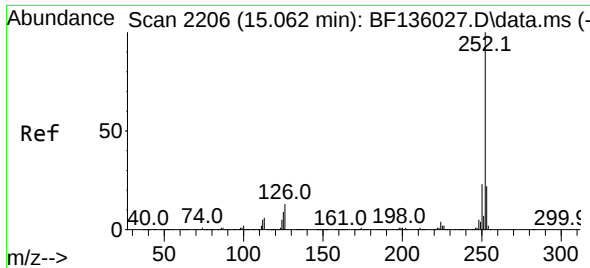
Delta R.T. -0.018 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

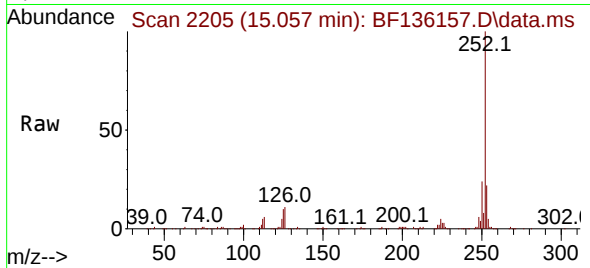
Tgt Ion:	276	Resp:	48457
Ion Ratio	Lower	Upper	
276	100		
138	20.8	20.4	30.6
277	26.6	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 14.187 ng m
RT: 15.057 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

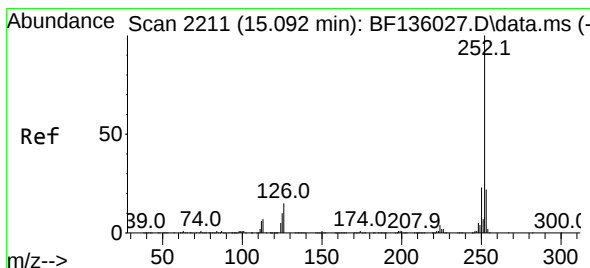
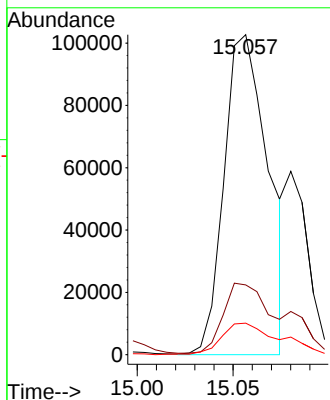
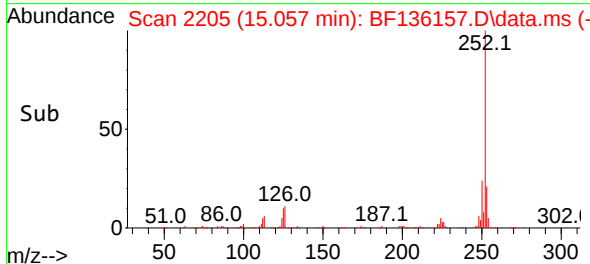
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 164528
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 9.8 7.5 11.3

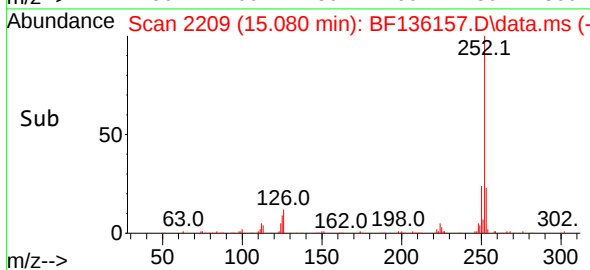
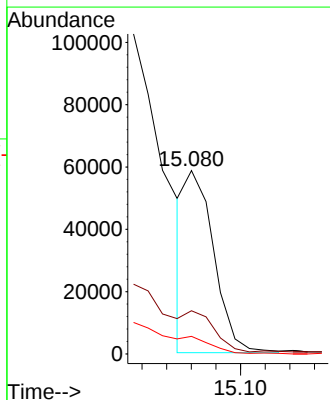
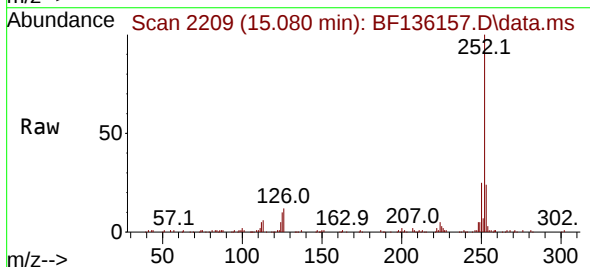
Manual Integrations
APPROVED

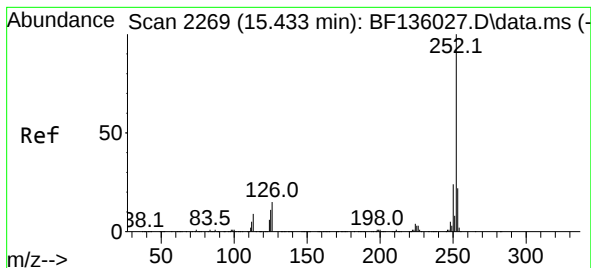
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#89
Benzo(k)fluoranthene
Concen: 4.096 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion:252 Resp: 47003
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 9.6 8.0 12.0





#90

Benzo(a)pyrene

Concen: 10.210 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

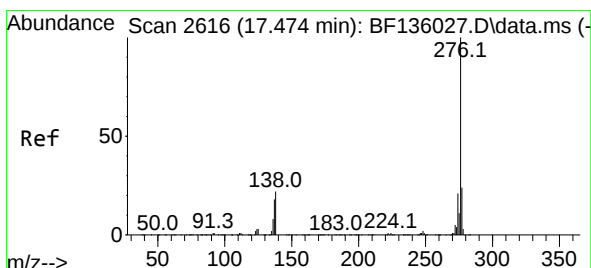
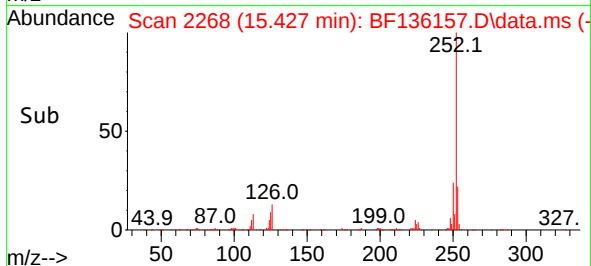
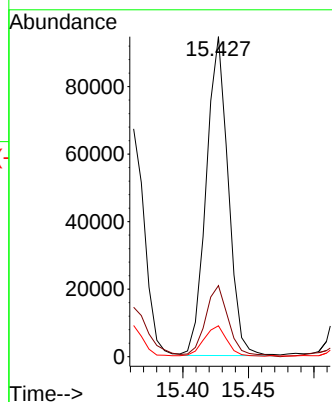
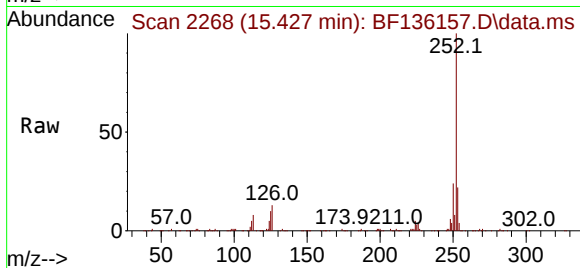
Tgt Ion:252 Resp: 110015
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.3 25.9
 125 9.6 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023



#92

Benzo(g,h,i)perylene

Concen: 6.328 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.023 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Tgt Ion:276 Resp: 43636
 Ion Ratio Lower Upper
 276 100
 277 25.2 19.0 28.4
 138 18.3 17.4 26.2

