

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136125.D
 Acq On : 03 Nov 2023 15:38
 Operator : CG\JU
 Sample : 05197-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SCF

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 16:16:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	102579	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	404134	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	195439	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	316170	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	213260	20.000	ng	-0.01
86) Perylene-d12	15.492	264	271010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	722560	110.689	ng	0.00
7) Phenol-d6	6.451	99	879797	108.172	ng	0.00
23) Nitrobenzene-d5	7.381	82	560219	83.565	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	230032	110.270	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	966486	78.832	ng	0.00
79) Terphenyl-d14	12.951	244	867310	63.201	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	82889	5.207	ng	97
75) Fluoranthene	12.563	202	116672	7.134	ng	98
78) Pyrene	12.792	202	107756	5.731	ng	98
81) Benzo(a)anthracene	13.992	228	54362	3.850	ng	94
83) Chrysene	14.027	228	47974	3.450	ng	97
88) Benzo(b)fluoranthene	15.051	252	70702m	4.409	ng	
90) Benzo(a)pyrene	15.427	252	52772	3.542	ng	98
92) Benzo(g,h,i)perylene	17.445	276	33887	4.823	ng	97

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

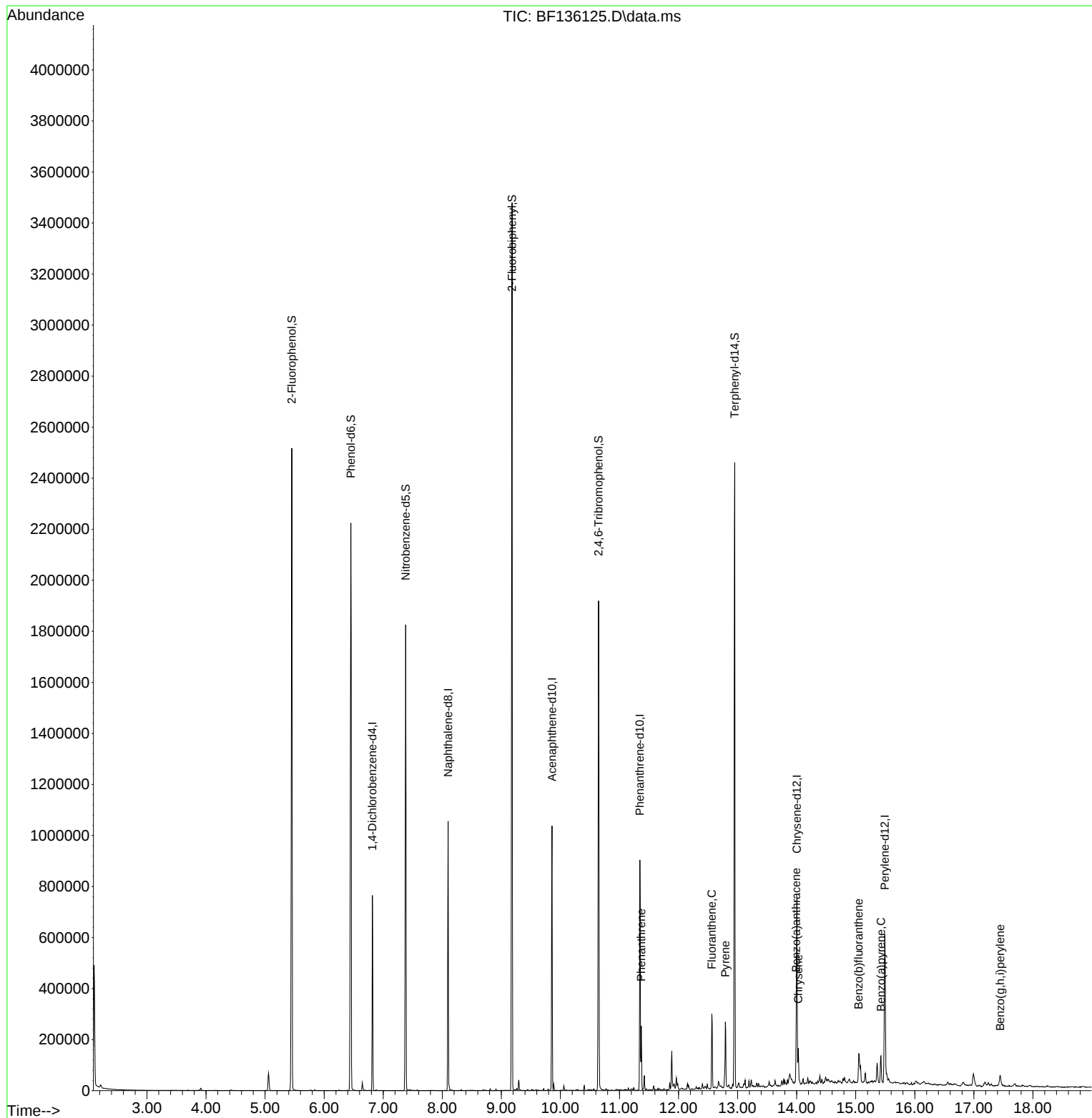
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
Data File : BF136125.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

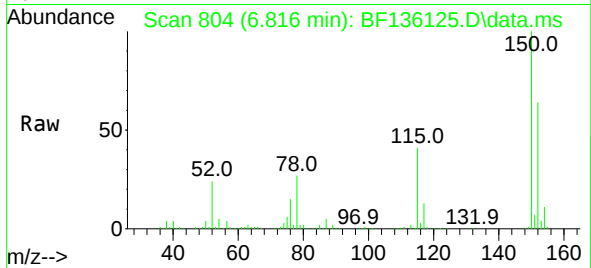
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

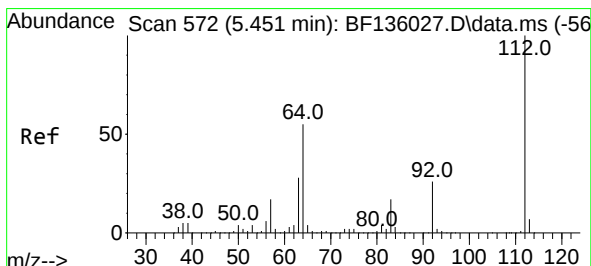
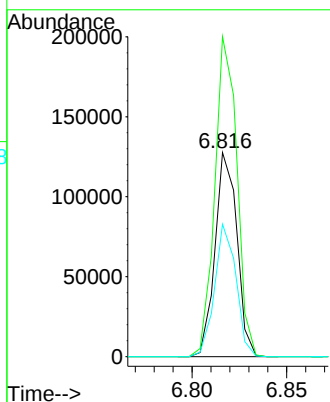
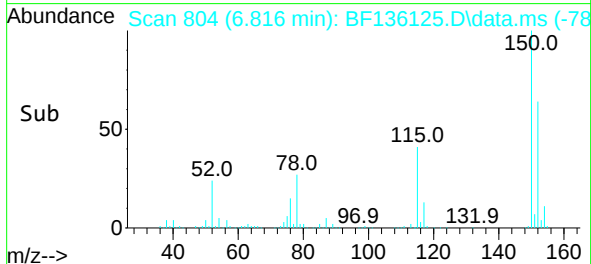
Instrument :
BNA_F
ClientSampleId :
SCF



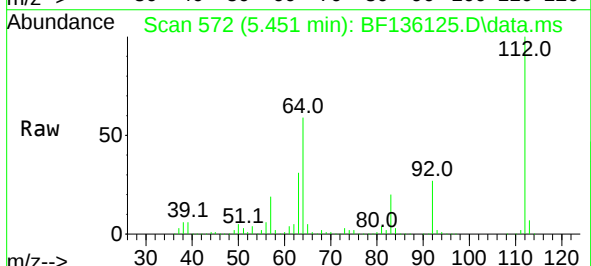
Tgt Ion:152 Resp: 102579
Ion Ratio Lower Upper
152 100
150 156.8 126.4 189.6
115 64.9 47.0 70.4

Manual Integrations
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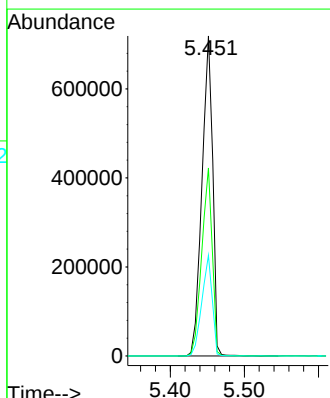
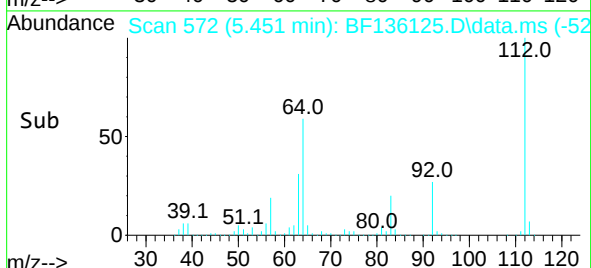
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#5
2-Fluorophenol
Concen: 110.689 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38



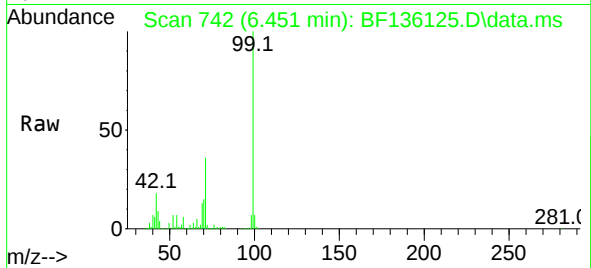
Tgt Ion:112 Resp: 722560
Ion Ratio Lower Upper
112 100
64 58.8 43.9 65.9
63 31.4 22.4 33.6





#7
Phenol-d6
Concen: 108.172 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

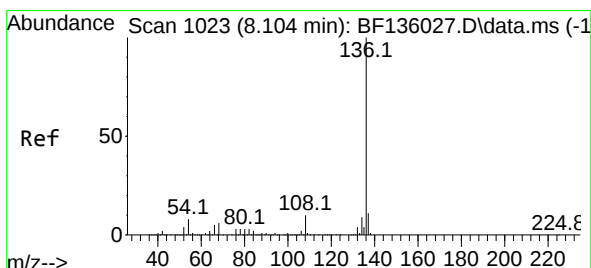
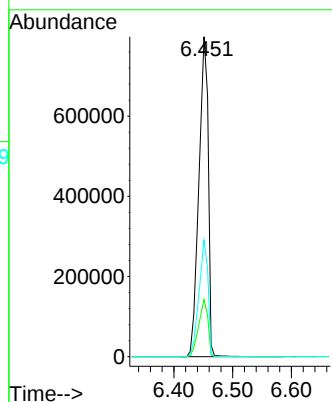
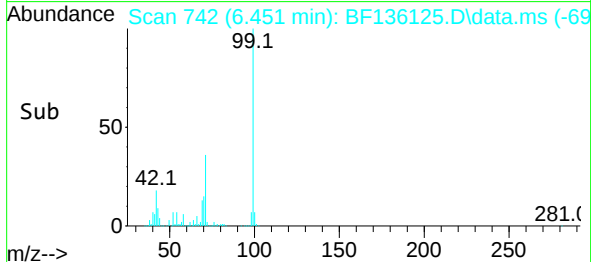
Instrument :
BNA_F
ClientSampleId :
SCF



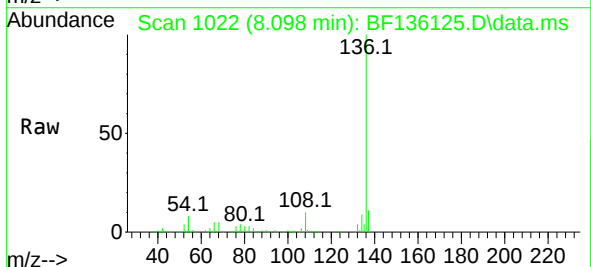
Tgt Ion: 99 Resp: 879797
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 36.4 25.9 38.9

Manual Integrations
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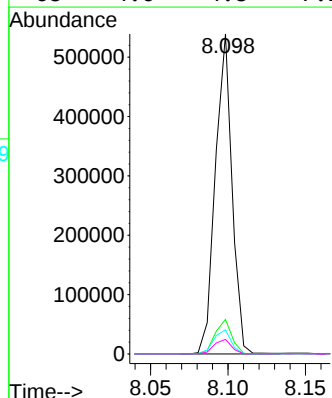
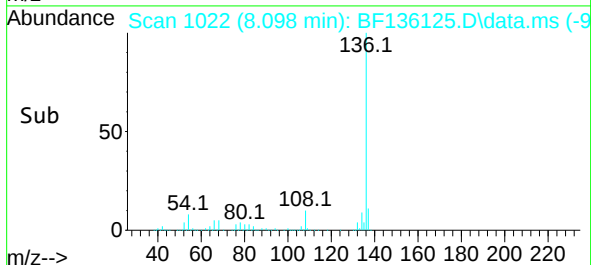
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38



Tgt Ion:136 Resp: 404134
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.6 6.6 9.8
68 4.6 4.8 7.2#





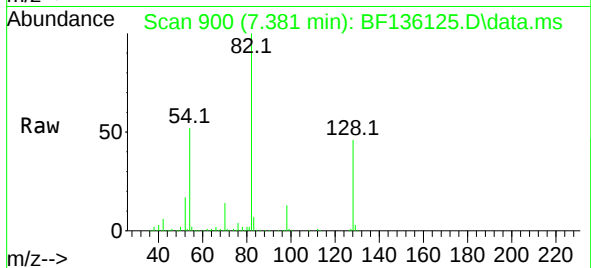
#23
Nitrobenzene-d5
Concen: 83.565 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SCF

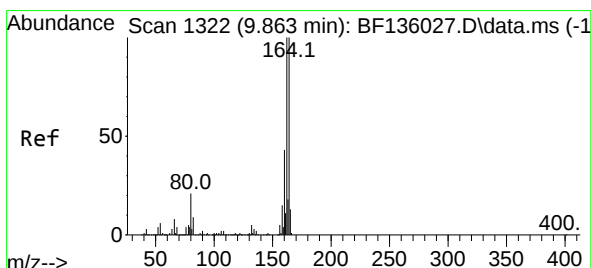
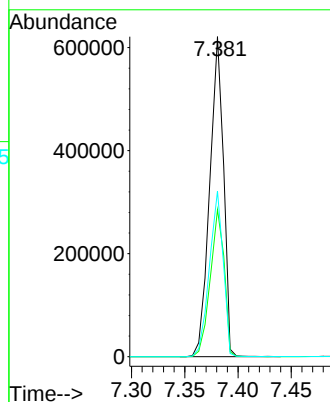
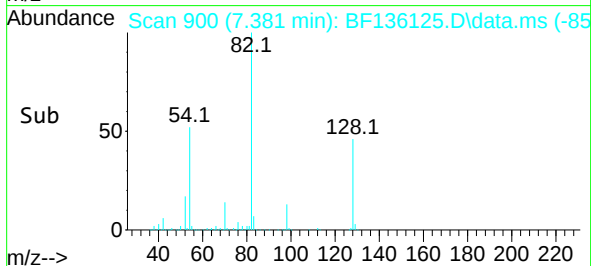


Tgt Ion: 82 Resp: 560219
Ion Ratio Lower Upper
82 100
128 46.0 38.6 57.8
54 51.8 40.8 61.2

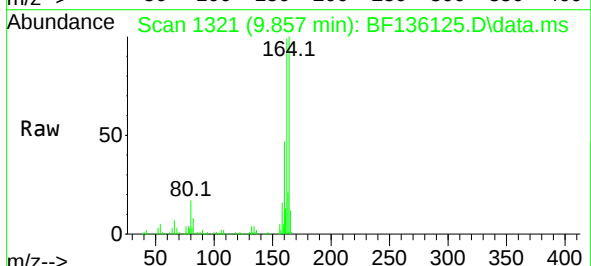
Manual Integrations

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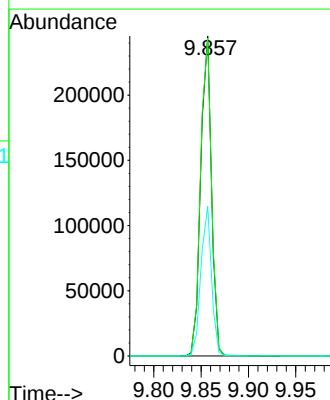
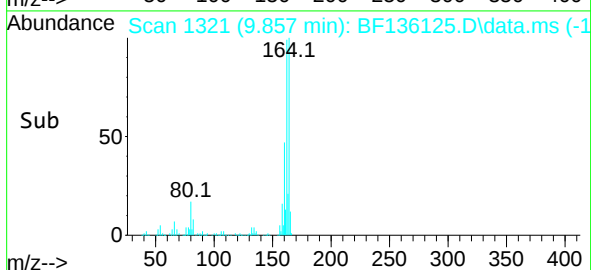
Reviewed By :Yogesh Patel 11/04/2023
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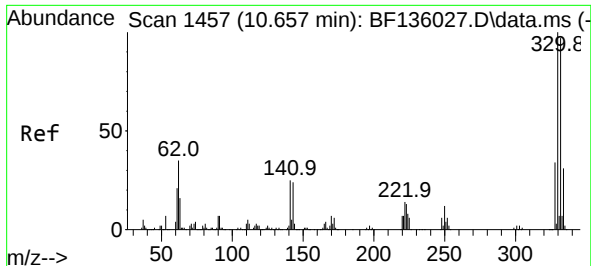


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38



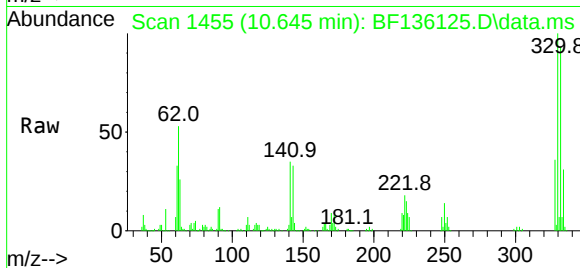
Tgt Ion:164 Resp: 195439
Ion Ratio Lower Upper
164 100
162 99.3 80.1 120.1
160 46.7 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 110.270 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

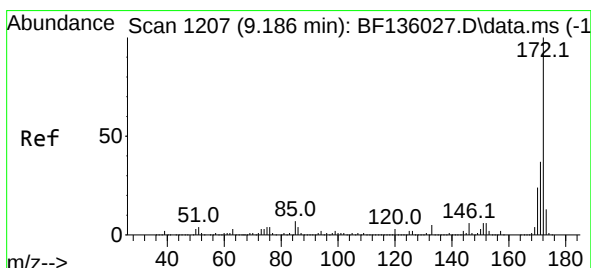
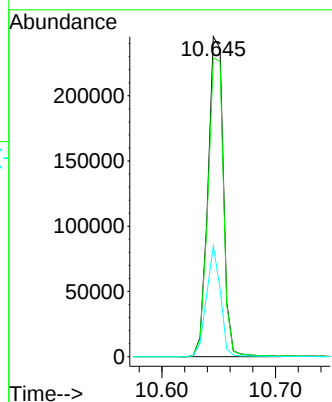
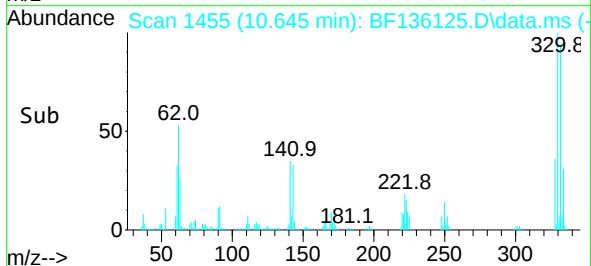
Instrument :
BNA_F
ClientSampleId :
SCF



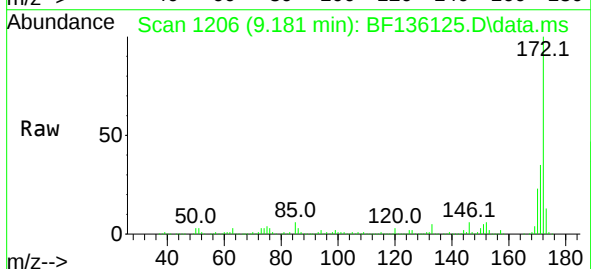
Tgt Ion: 330 Resp: 230032
Ion Ratio Lower Upper
330 100
332 95.2 76.9 115.3
141 31.5 23.2 34.8

Manual Integrations
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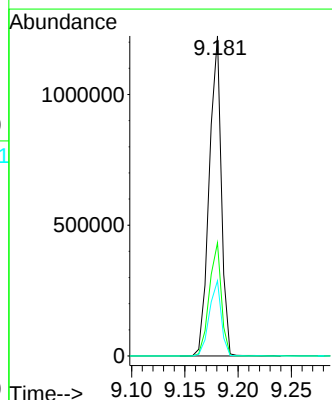
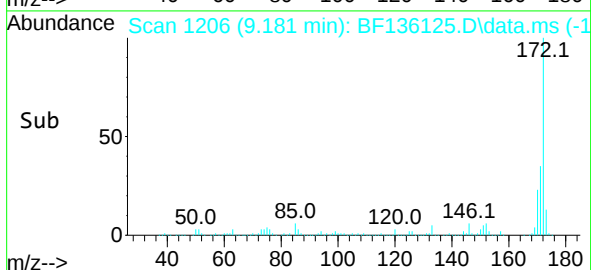
Reviewed By : Yogesh Patel 11/04/2023
Supervised By : mohammad ahmed 11/04/2023

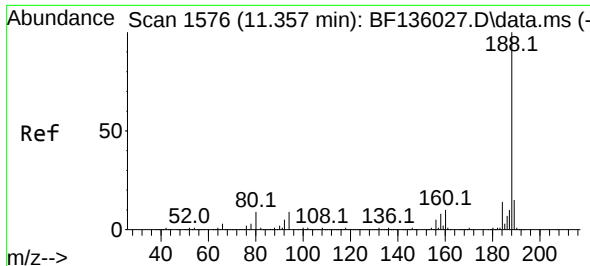


#45
2-Fluorobiphenyl
Concen: 78.832 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38



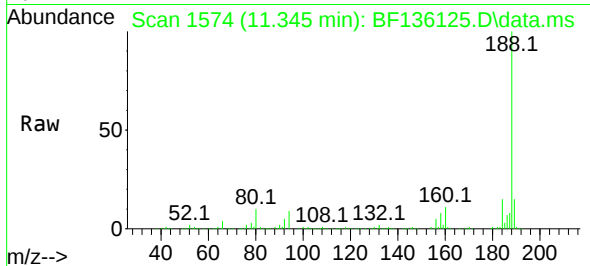
Tgt Ion: 172 Resp: 966486
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 23.5 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

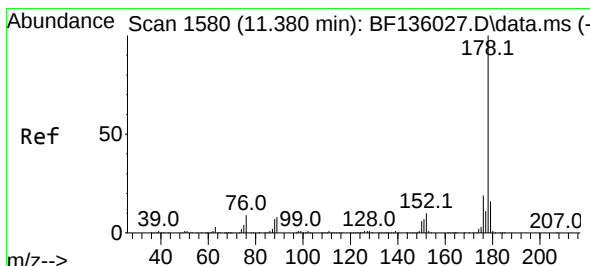
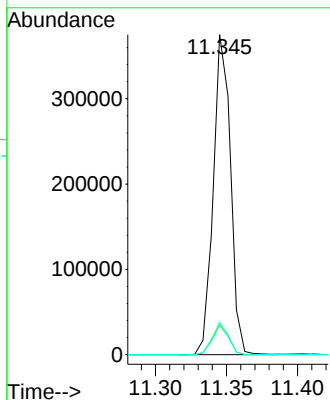
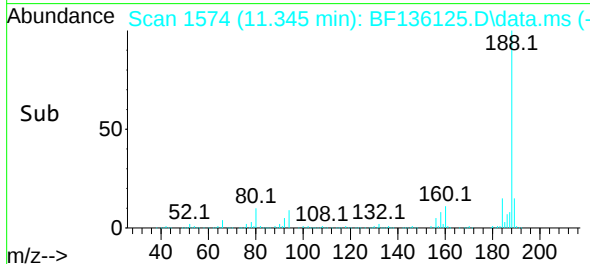
Instrument :
BNA_F
ClientSampleId :
SCF



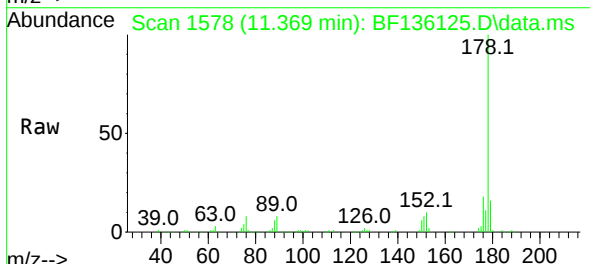
Tgt Ion:188 Resp: 316170
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.0 7.4 11.0

Manual Integrations
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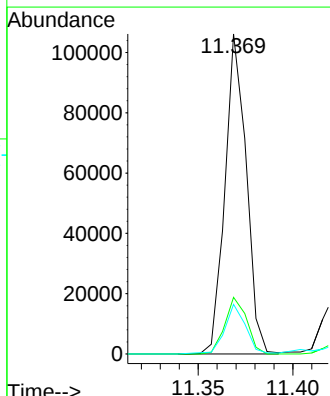
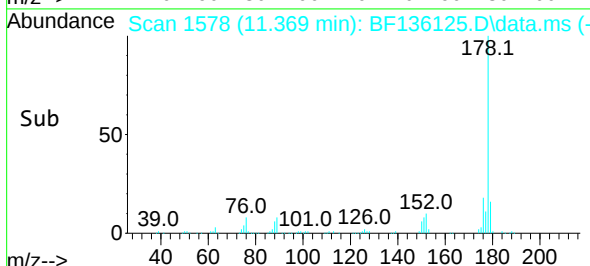
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

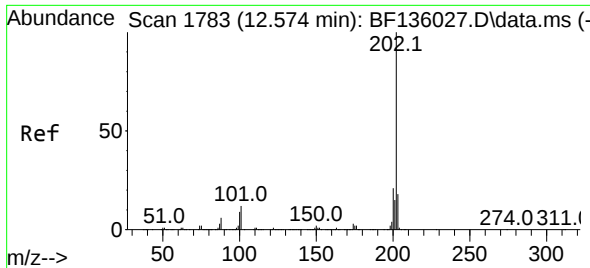


#71
Phenanthrene
Concen: 5.207 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38



Tgt Ion:178 Resp: 82889
Ion Ratio Lower Upper
178 100
176 17.7 15.5 23.3
179 15.5 12.9 19.3





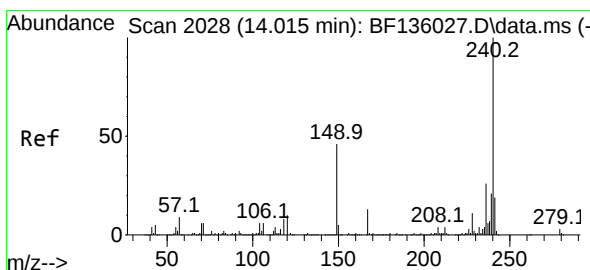
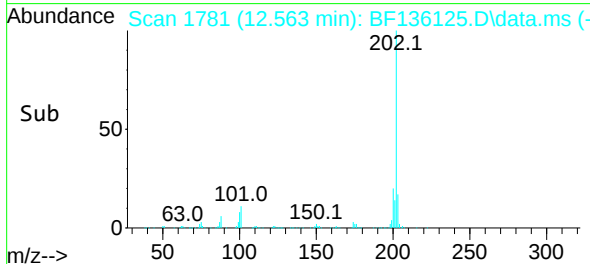
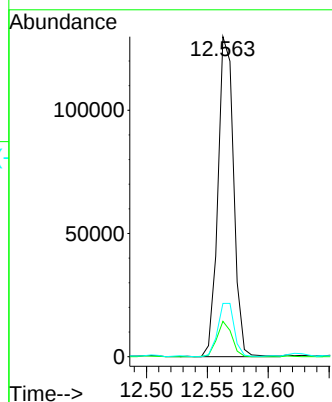
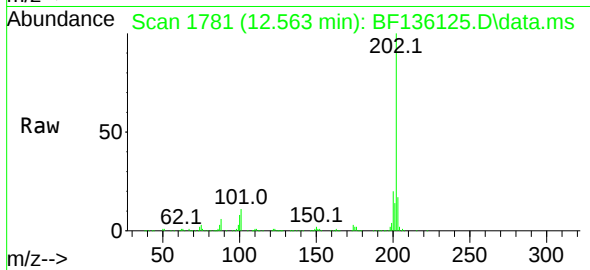
#75
Fluoranthene
Concen: 7.134 ng
RT: 12.563 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Instrument :
BNA_F
ClientSampleId :
SCF

Tgt Ion:202 Resp: 116672
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.8
203 16.6 0.0 37.9

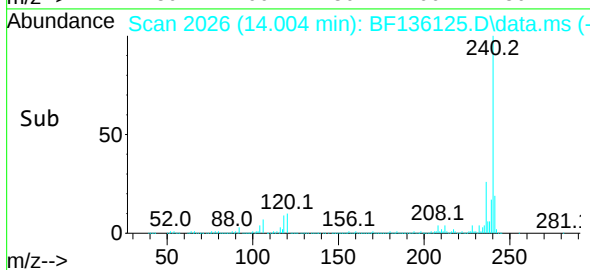
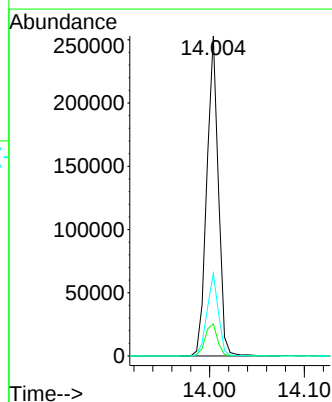
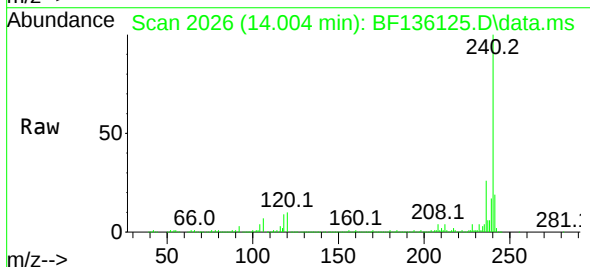
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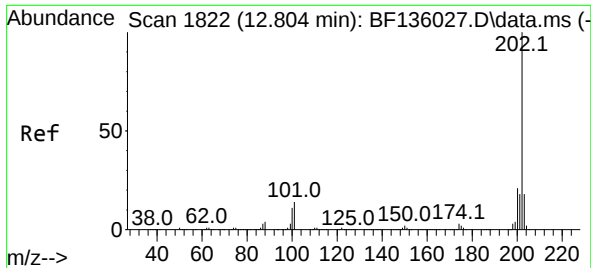
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

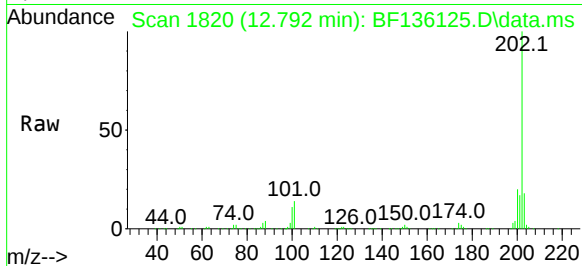
Tgt Ion:240 Resp: 213260
Ion Ratio Lower Upper
240 100
120 10.0 7.6 11.4
236 25.8 20.6 31.0





#78
Pyrene
Concen: 5.731 ng
RT: 12.792 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

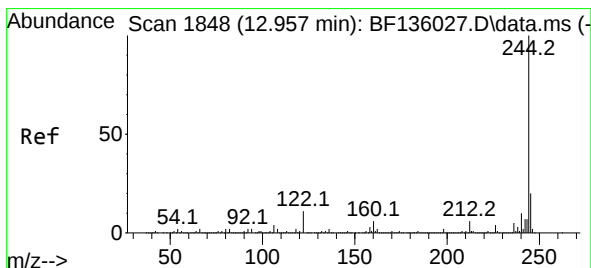
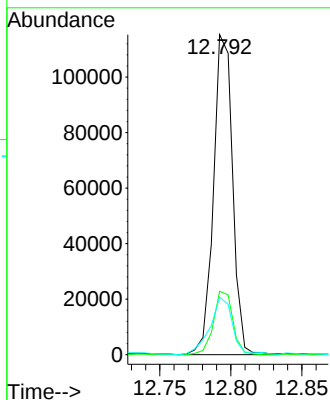
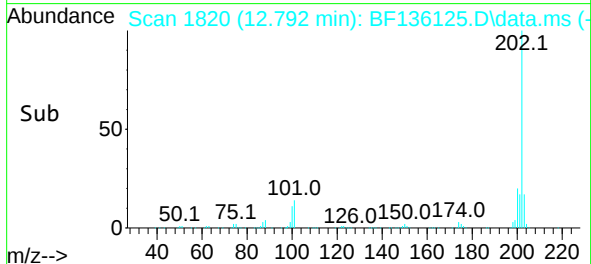
Instrument :
BNA_F
ClientSampleId :
SCF



Tgt Ion:202 Resp: 107750
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.4
203 18.0 14.4 21.6

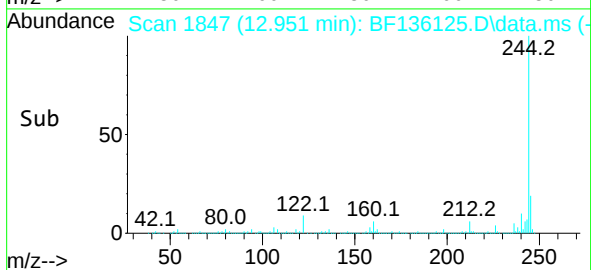
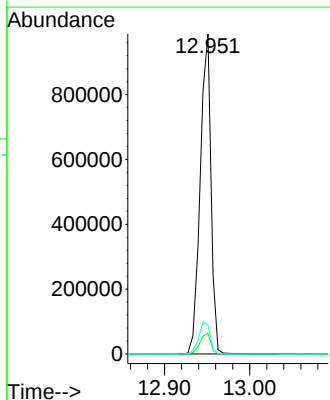
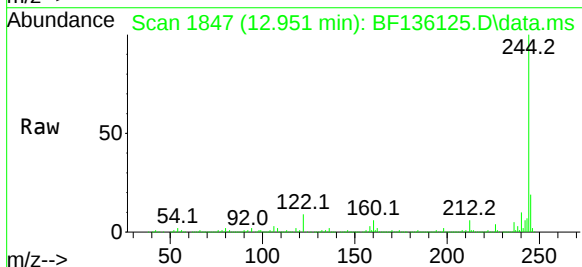
Manual Integrations
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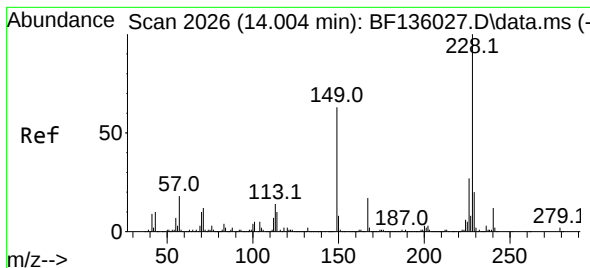
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#79
Terphenyl-d14
Concen: 63.201 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion:244 Resp: 867310
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 9.0 8.6 12.8





#81

Benzo(a)anthracene

Concen: 3.850 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SCF

Tgt Ion:228 Resp: 5436

Ion Ratio Lower Upper

228 100

226 31.3 21.5 32.3

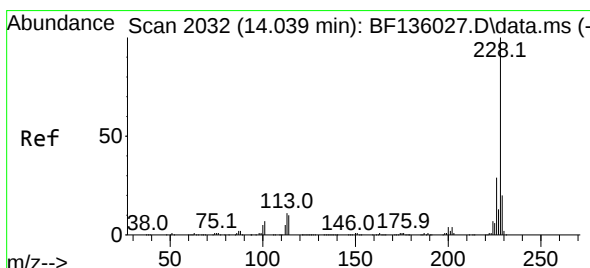
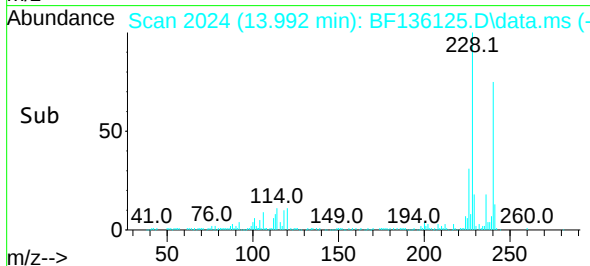
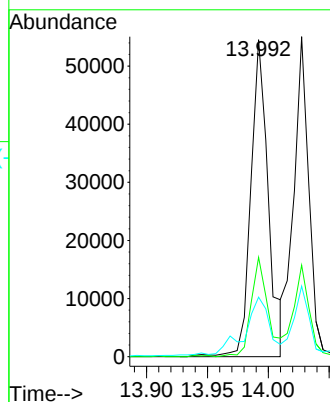
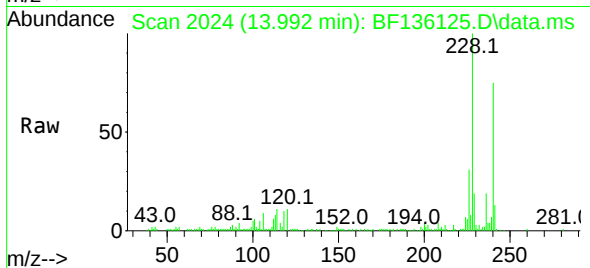
229 18.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#83

Chrysene

Concen: 3.450 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

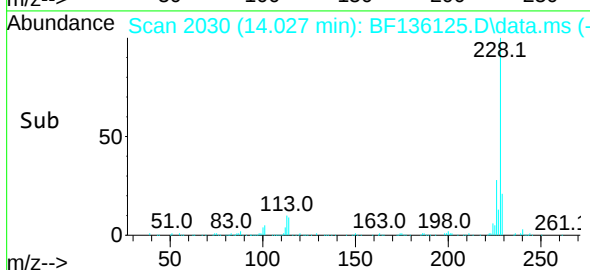
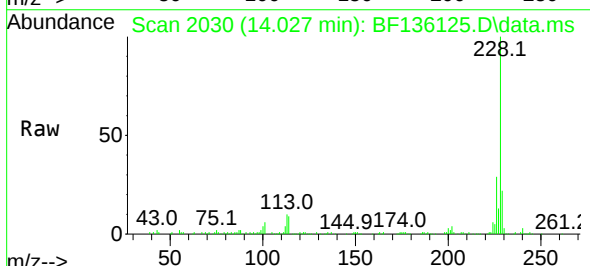
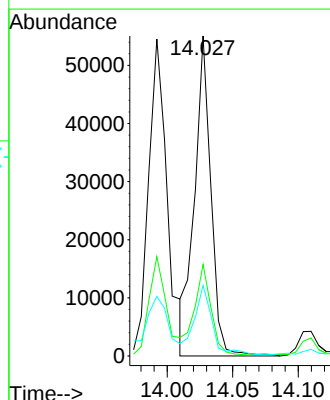
Tgt Ion:228 Resp: 47974

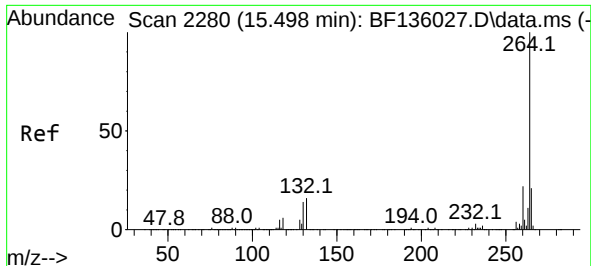
Ion Ratio Lower Upper

228 100

226 28.6 23.5 35.3

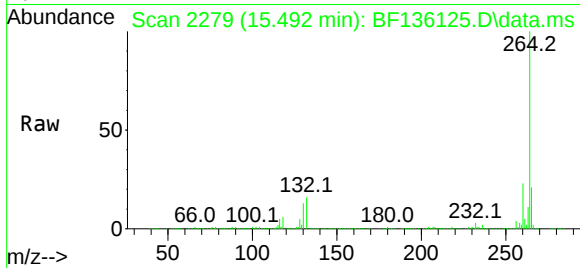
229 22.1 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

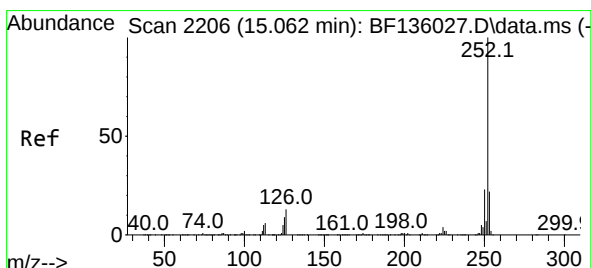
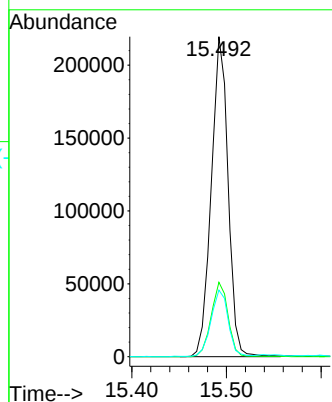
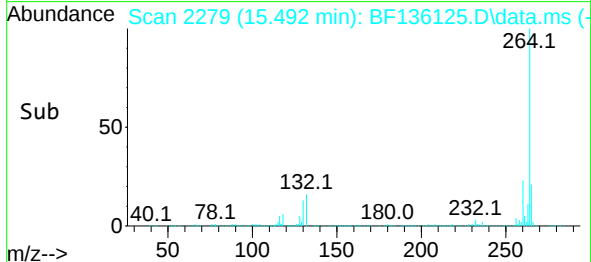
Instrument :
BNA_F
ClientSampleId :
SCF



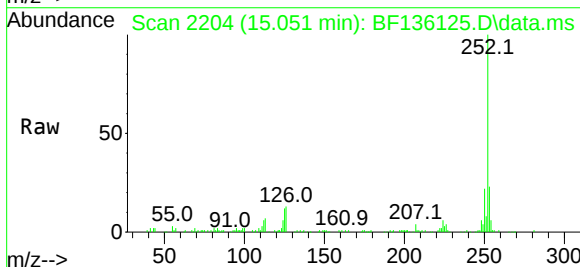
Tgt Ion:264 Resp: 271010
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 20.8 16.8 25.2

Manual Integrations
APPROVED

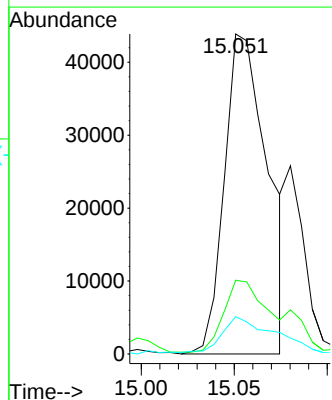
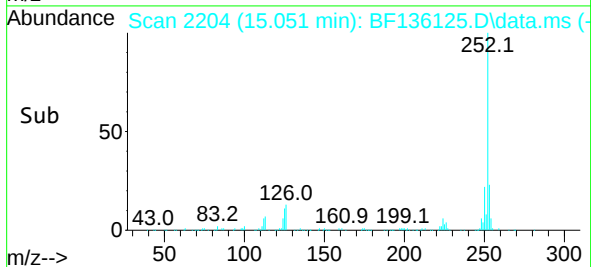
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

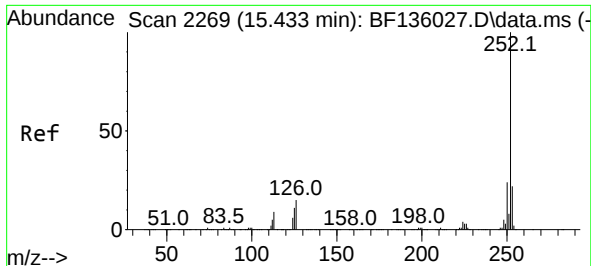


#88
Benzo(b)fluoranthene
Concen: 4.409 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38



Tgt Ion:252 Resp: 70702
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 3.542 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SCF

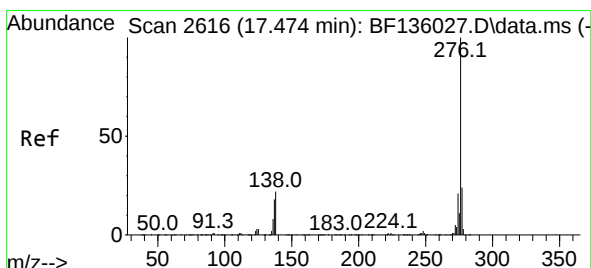
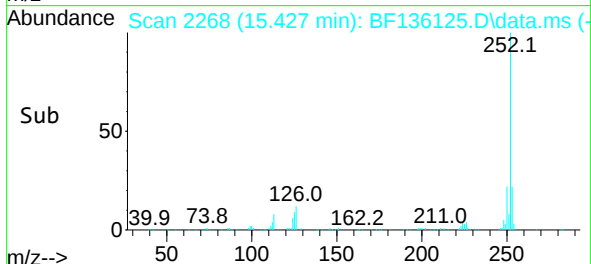
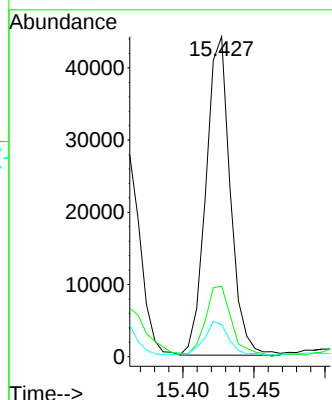
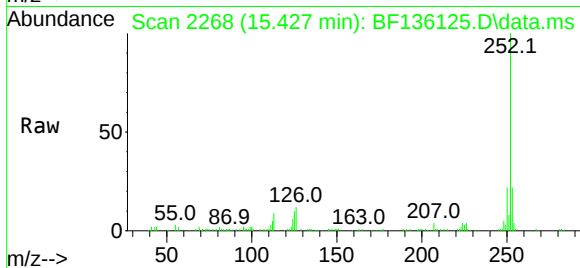
Tgt Ion:	252	Resp:	52772
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.3	25.9
125	10.1	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#92

Benzo(g,h,i)perylene

Concen: 4.823 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.029 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

Tgt Ion:	276	Resp:	33887
Ion Ratio	Lower	Upper	
276	100		
277	22.1	19.0	28.4
138	23.2	17.4	26.2

