

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136430.D
 Acq On : 06 Dec 2023 16:09
 Operator : CG\JU
 Sample : 05602-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPRING-VALLEY-TP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

Quant Time: Dec 07 00:52:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	100359	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	355436	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	144533	20.000	ng	-0.01
64) Phenanthrene-d10	11.321	188	222820	20.000	ng	0.00
76) Chrysene-d12	13.968	240	221936	20.000	ng	-0.01
86) Perylene-d12	15.451	264	178546	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	552290	81.272	ng	0.00
7) Phenol-d6	6.434	99	669671	78.984	ng	-0.01
23) Nitrobenzene-d5	7.357	82	402001	61.143	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	118847	66.689	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	735151	69.404	ng	-0.01
79) Terphenyl-d14	12.915	244	723497	42.967	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	32346	2.641	ng	95
75) Fluoranthene	12.533	202	69513	5.416	ng	96
78) Pyrene	12.763	202	69927	3.217	ng	98
81) Benzo(a)anthracene	13.962	228	39267	2.540	ng	98
83) Chrysene	13.998	228	42875	2.819	ng	95
88) Benzo(b)fluoranthene	15.015	252	51022m	4.180	ng	
90) Benzo(a)pyrene	15.386	252	31296	3.104	ng	# 95

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

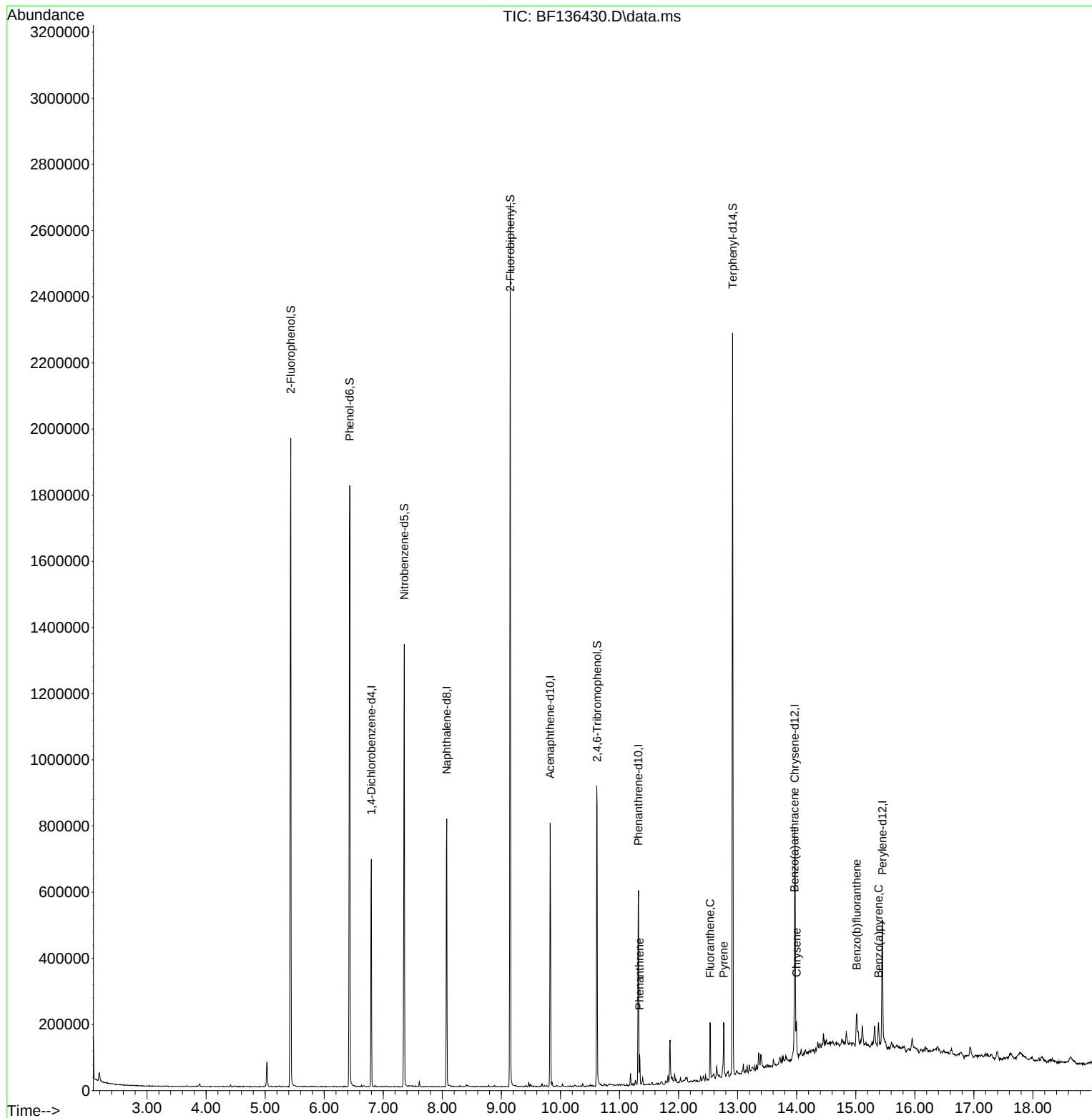
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
Data File : BF136430.D
Acq On : 06 Dec 2023 16:09
Operator : CG\JU
Sample : 05602-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

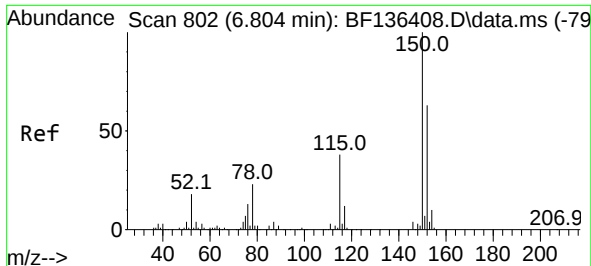
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

Quant Time: Dec 07 00:52:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

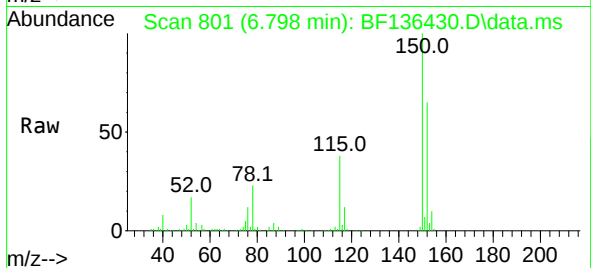
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

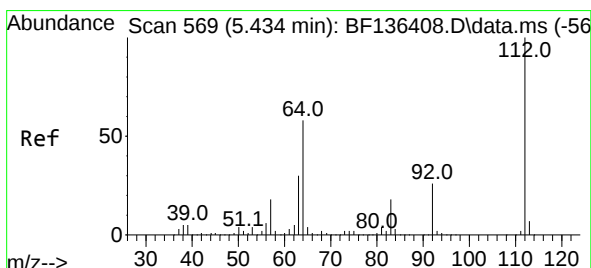
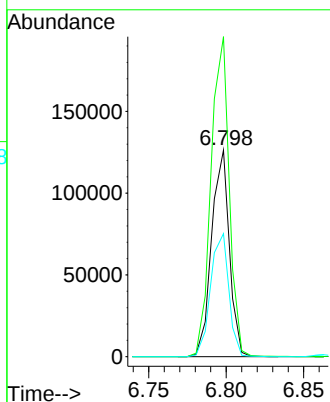
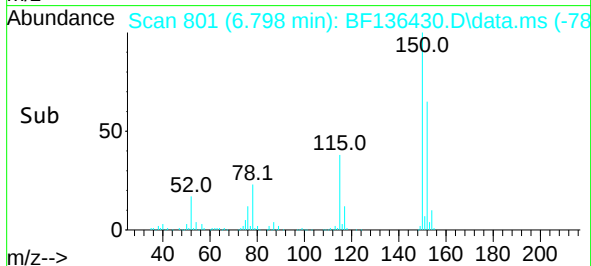
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



Tgt Ion:152 Resp: 100359
Ion Ratio Lower Upper
152 100
150 154.9 126.4 189.6
115 59.6 48.2 72.4

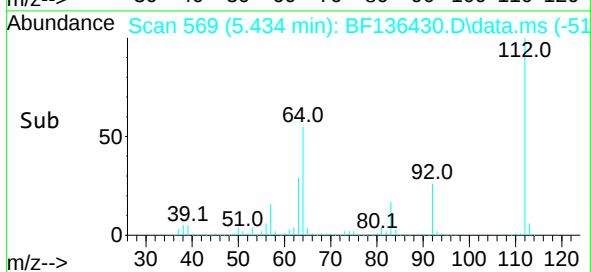
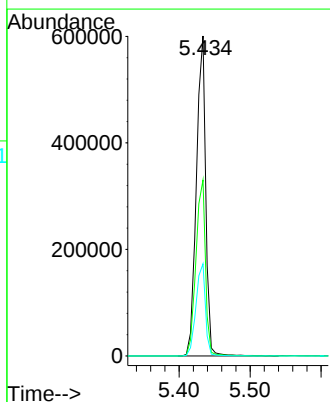
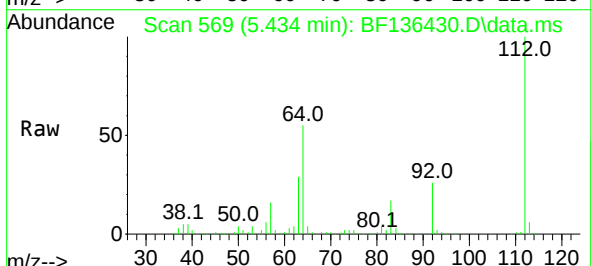
Manual Integrations
APPROVED

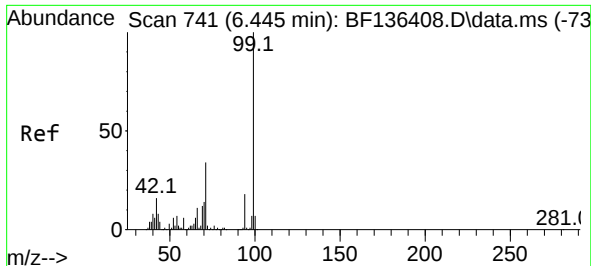
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#5
2-Fluorophenol
Concen: 81.272 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

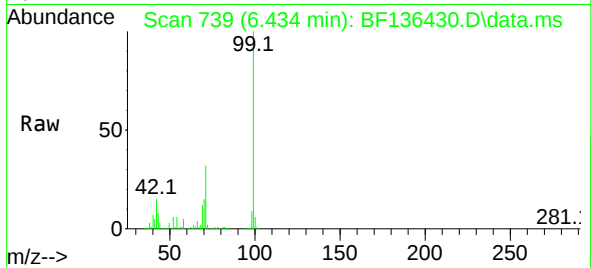
Tgt Ion:112 Resp: 552290
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 28.8 23.9 35.9





#7
Phenol-d6
Concen: 78.984 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

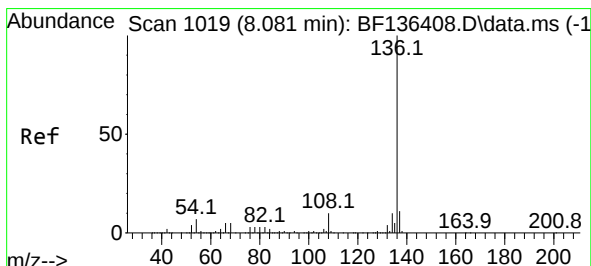
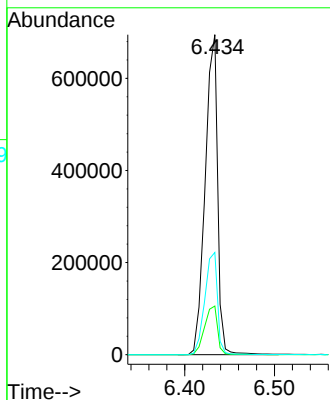
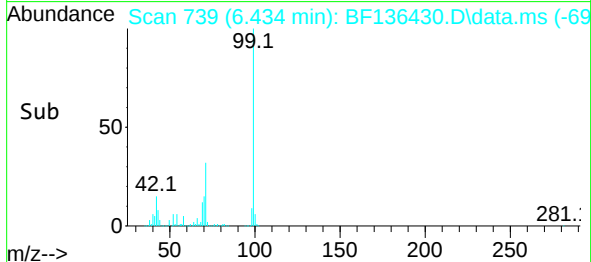
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



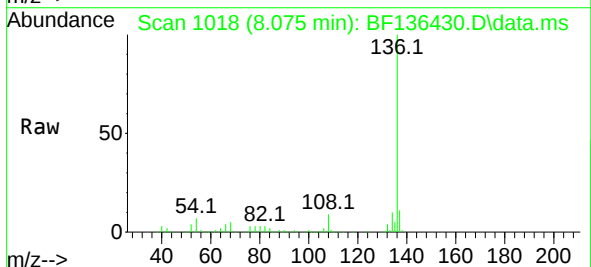
Tgt Ion: 99 Resp: 66967
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 32.0 27.0 40.4

Manual Integrations
APPROVED

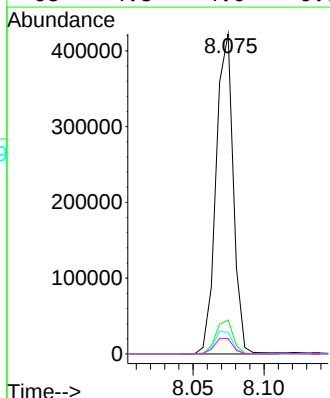
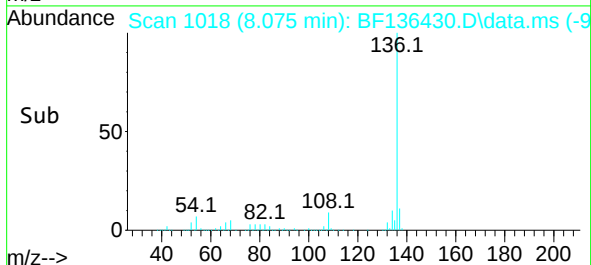
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09



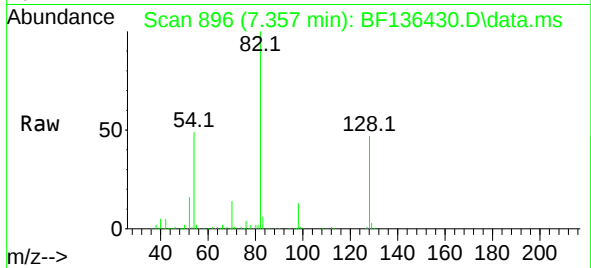
Tgt Ion:136 Resp: 355436
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.7 5.7 8.5
68 4.8 4.0 6.0





#23
Nitrobenzene-d5
Concen: 61.143 ng
RT: 7.357 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

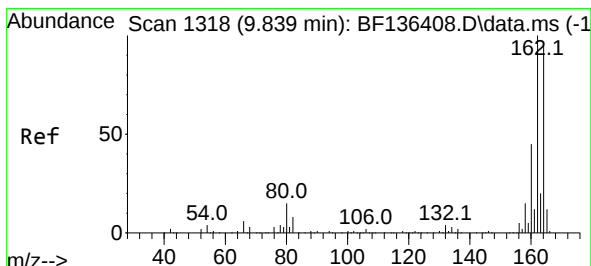
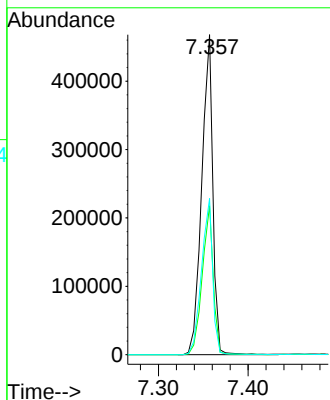
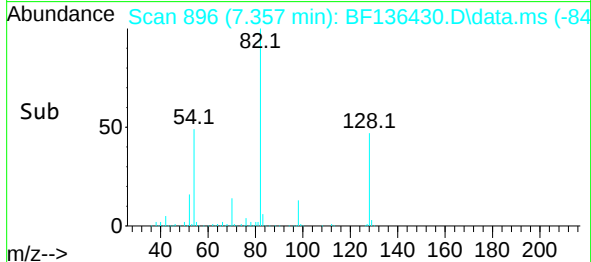
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



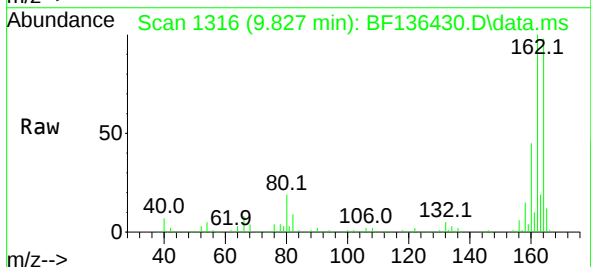
Tgt Ion: 82 Resp: 402000
Ion Ratio Lower Upper
82 100
128 46.6 36.3 54.5
54 48.8 39.0 58.6

Manual Integrations
APPROVED

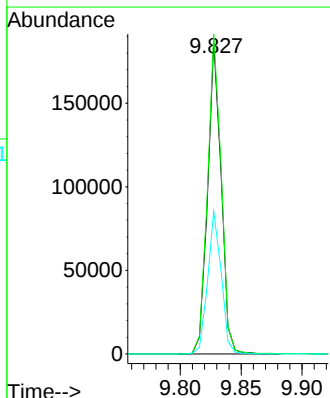
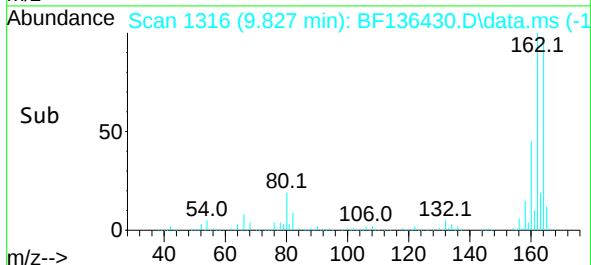
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09



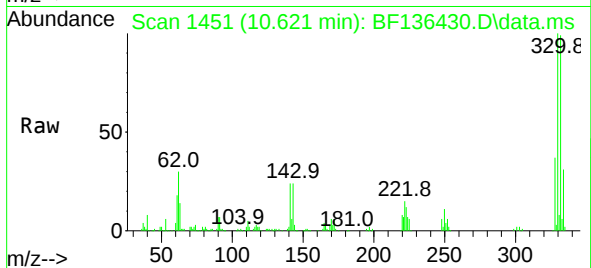
Tgt Ion:164 Resp: 144533
Ion Ratio Lower Upper
164 100
162 102.3 84.4 126.6
160 45.6 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 66.689 ng
RT: 10.621 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

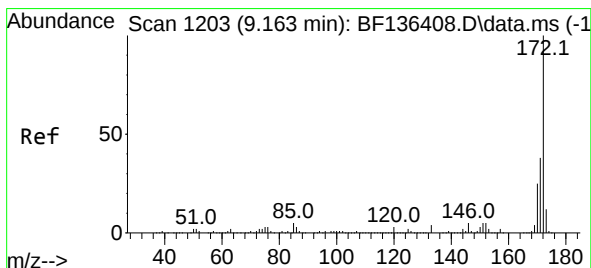
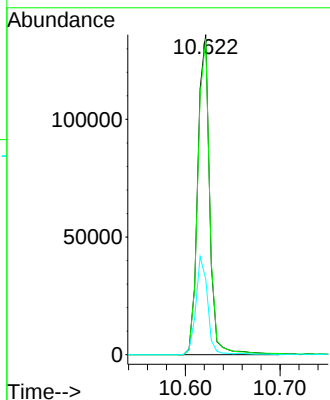
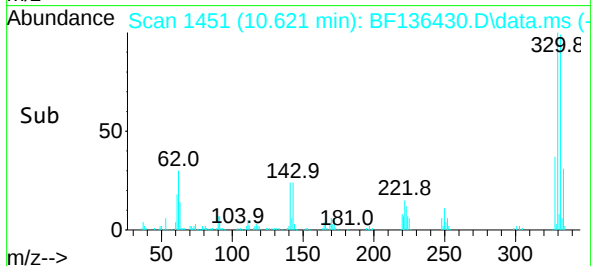
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



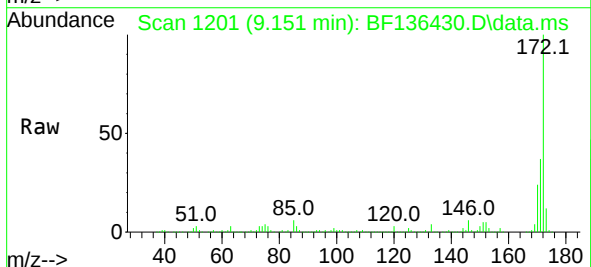
Tgt Ion: 330 Resp: 11884
Ion Ratio Lower Upper
330 100
332 99.2 76.4 114.6
141 30.7 23.4 35.2

Manual Integrations
APPROVED

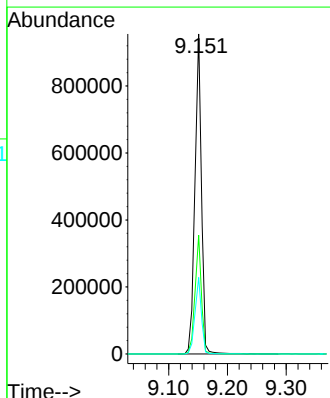
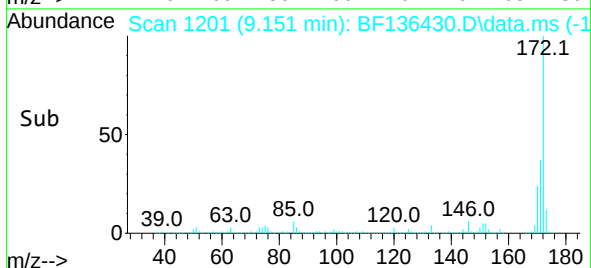
Reviewed By : Yogesh Patel 12/07/2023
Supervised By : mohammad ahmed 12/07/2023

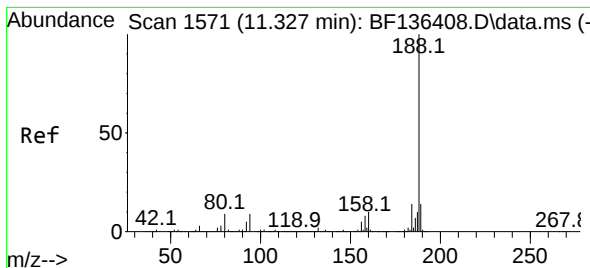


#45
2-Fluorobiphenyl
Concen: 69.404 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09



Tgt Ion: 172 Resp: 735151
Ion Ratio Lower Upper
172 100
171 37.1 30.5 45.7
170 23.9 19.9 29.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

Instrument :

BNA_F

ClientSampleId :

SPRING-VALLEY-TP-1

Tgt Ion:188 Resp: 222820

Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

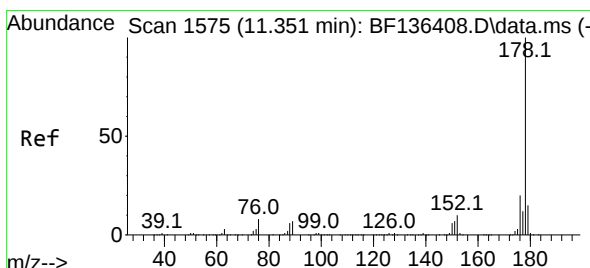
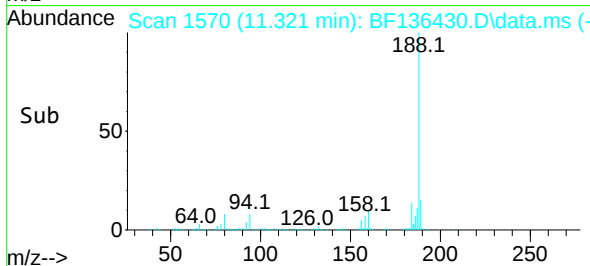
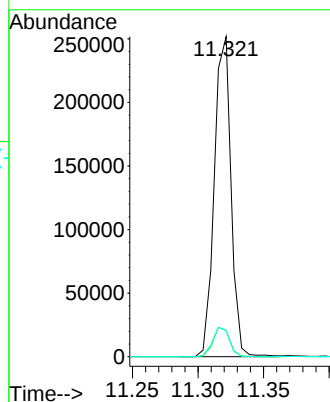
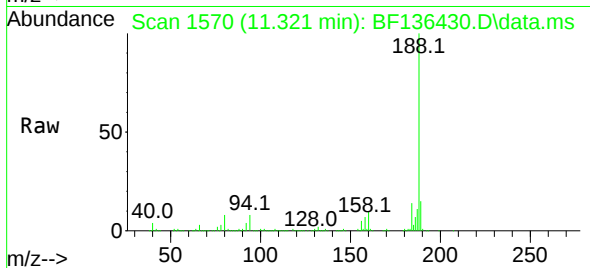
80 8.2 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#71

Phenanthrene

Concen: 2.641 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

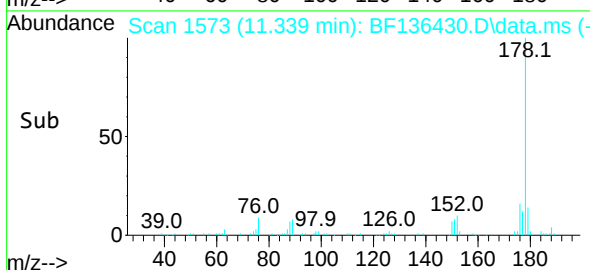
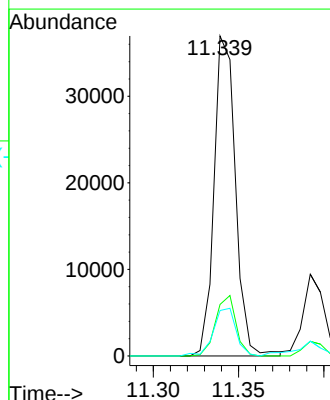
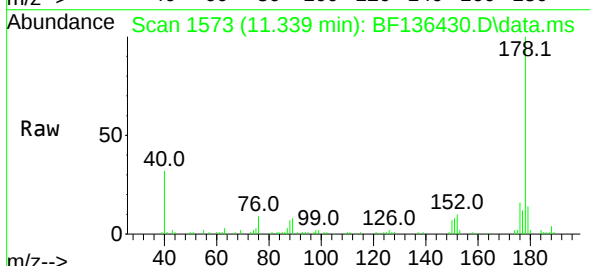
Tgt Ion:178 Resp: 32346

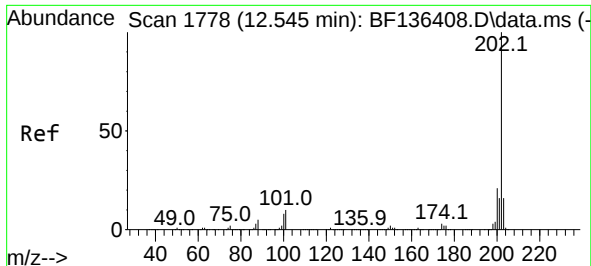
Ion Ratio Lower Upper

178 100

176 16.1 15.9 23.9

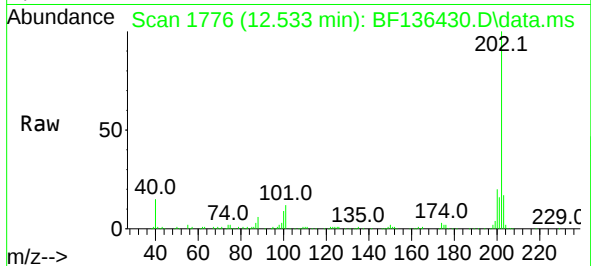
179 14.2 11.8 17.6





#75
Fluoranthene
Concen: 5.416 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

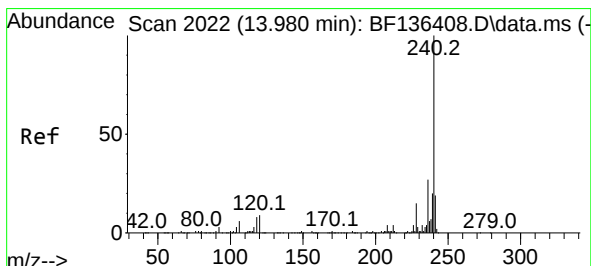
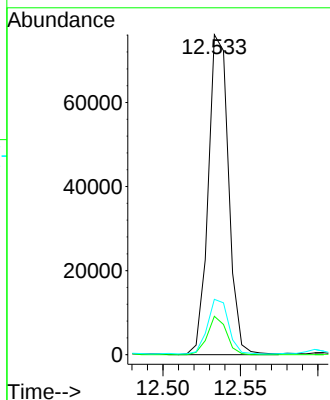
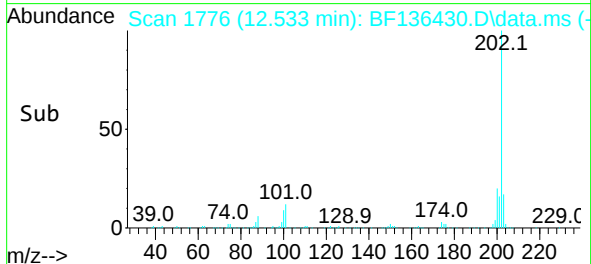
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



Tgt Ion:202 Resp: 6951
Ion Ratio Lower Upper
202 100
101 12.0 0.0 29.9
203 17.3 0.0 36.3

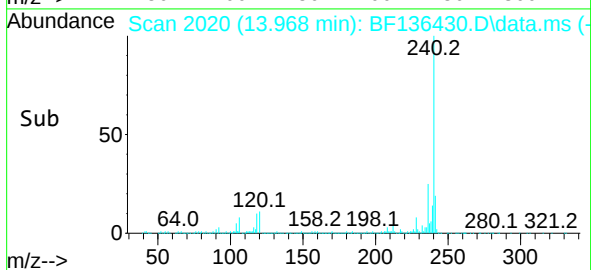
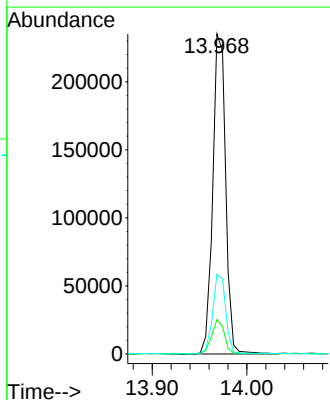
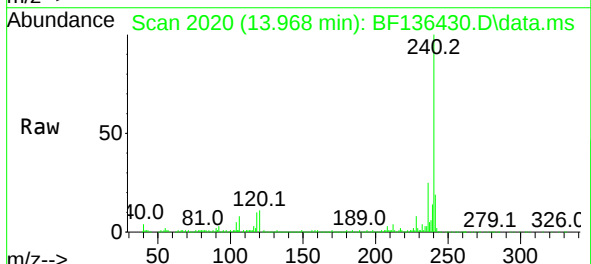
Manual Integrations
APPROVED

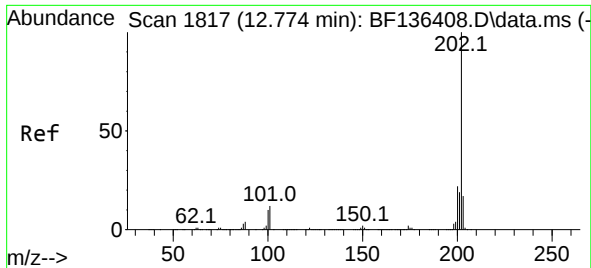
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Tgt Ion:240 Resp: 221936
Ion Ratio Lower Upper
240 100
120 10.8 7.3 10.9
236 24.9 21.3 31.9





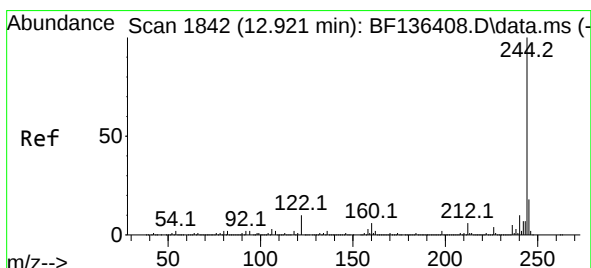
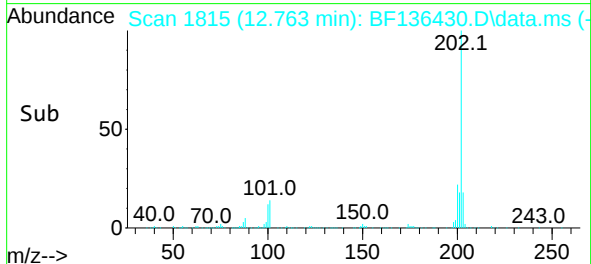
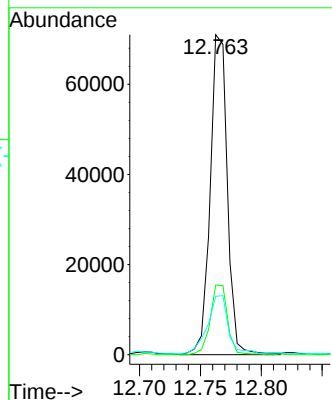
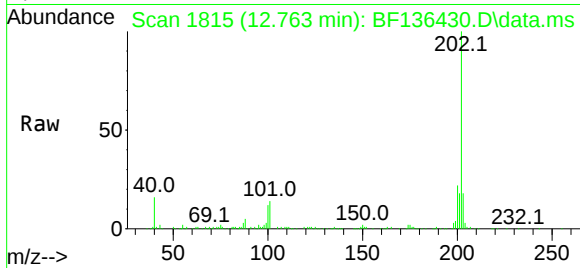
#78
Pyrene
Concen: 3.217 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

Tgt Ion:202 Resp: 6992
Ion Ratio Lower Upper
202 100
200 21.7 18.0 27.0
203 18.2 13.5 20.3

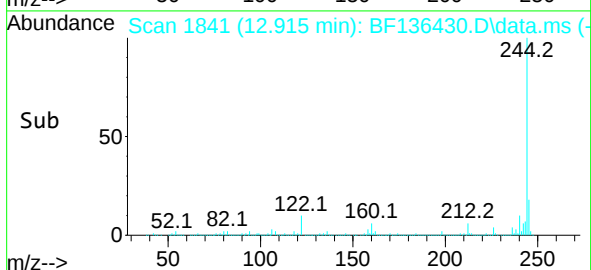
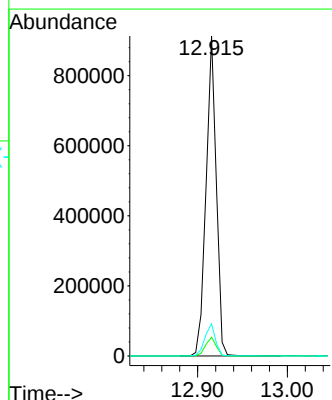
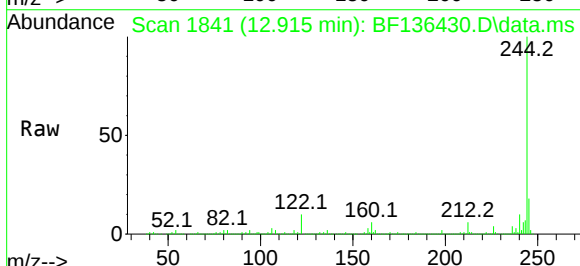
Manual Integrations
APPROVED

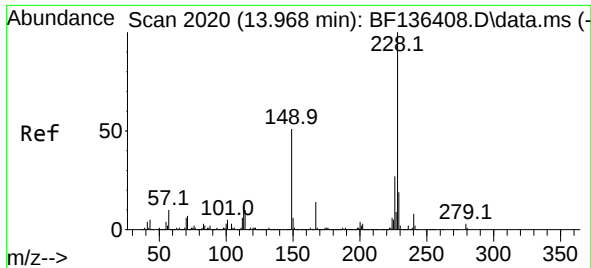
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#79
Terphenyl-d14
Concen: 42.967 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Tgt Ion:244 Resp: 723497
Ion Ratio Lower Upper
244 100
212 5.8 5.0 7.4
122 10.1 8.3 12.5





#81
Benzo(a)anthracene
Concen: 2.540 ng
RT: 13.962 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Instrument :

BNA_F

ClientSampleId :

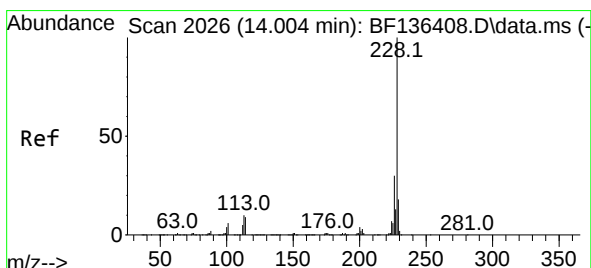
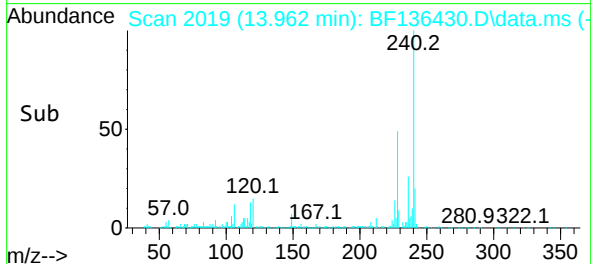
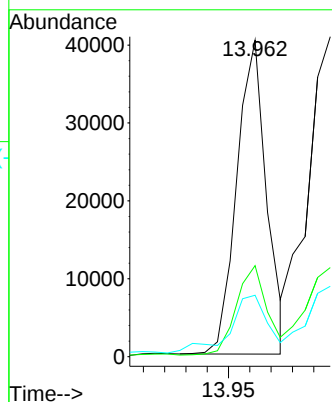
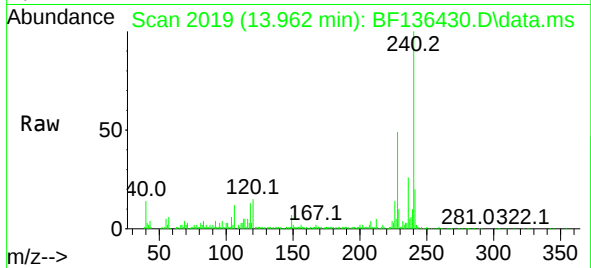
SPRING-VALLEY-TP-1

Tgt Ion:228 Resp: 3926
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 19.4 15.0 22.4

Manual Integrations

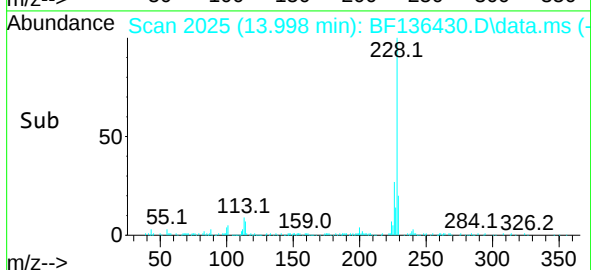
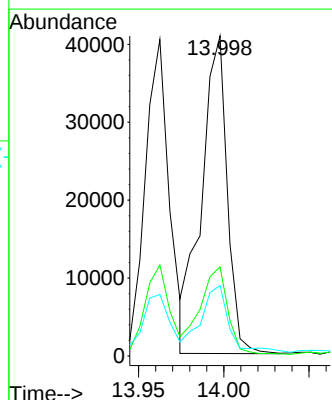
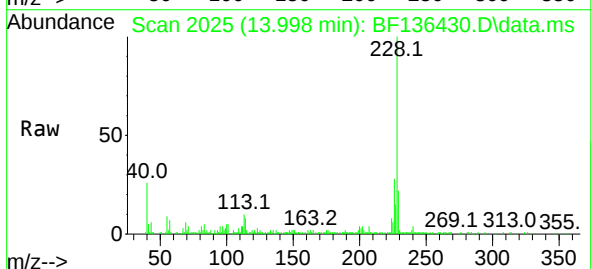
APPROVED

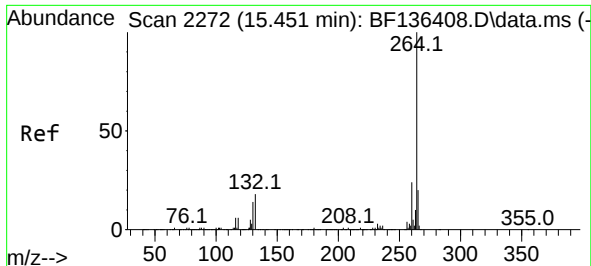
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#83
Chrysene
Concen: 2.819 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

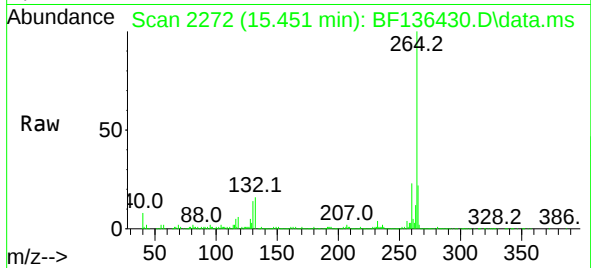
Tgt Ion:228 Resp: 42875
Ion Ratio Lower Upper
228 100
226 27.9 23.8 35.6
229 22.0 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

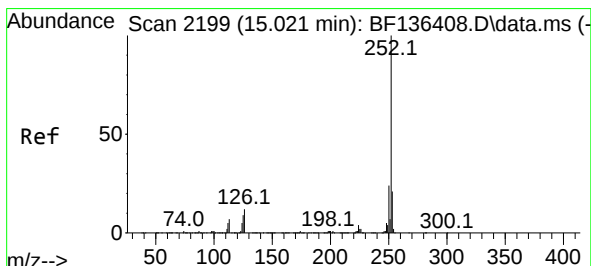
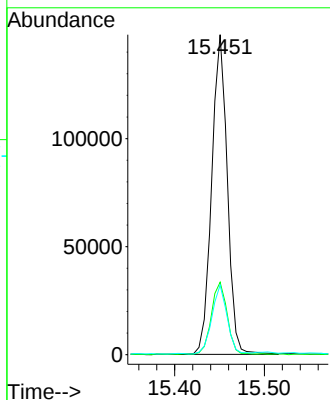
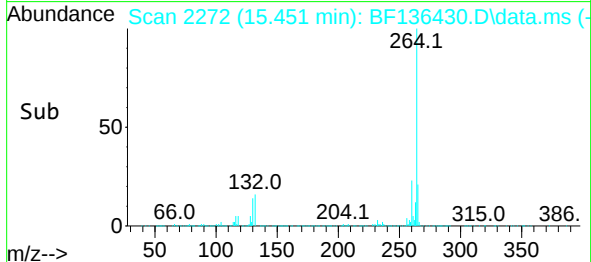
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1



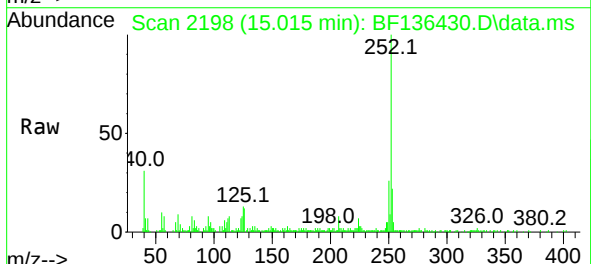
Tgt Ion:264 Resp: 178540
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 21.7 15.9 23.9

Manual Integrations
APPROVED

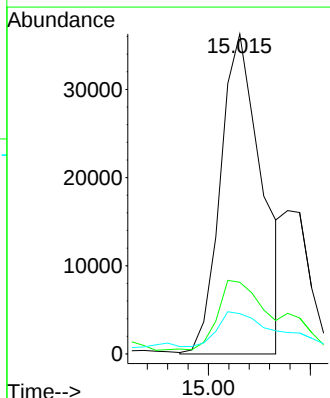
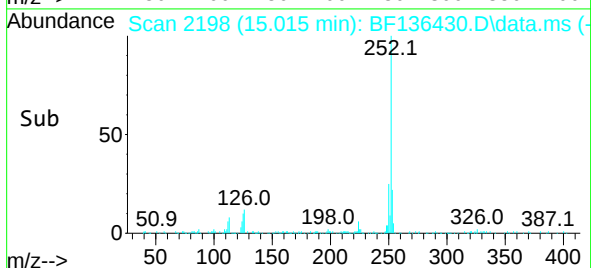
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

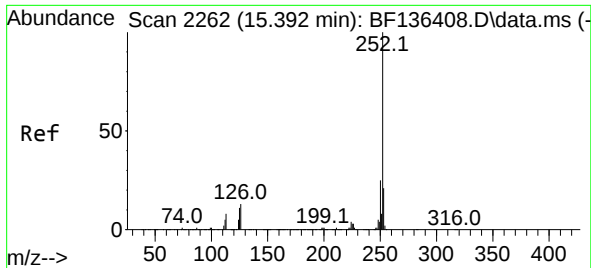


#88
Benzo(b)fluoranthene
Concen: 4.180 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09



Tgt Ion:252 Resp: 51022
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 12.6 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.104 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136430.D

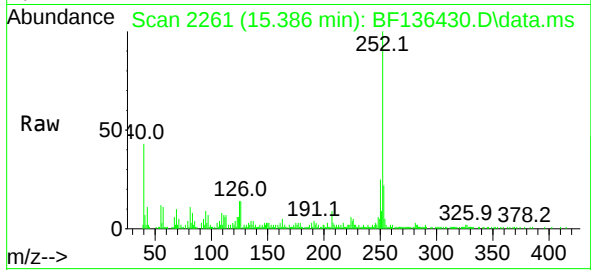
Acq: 06 Dec 2023 16:09

Instrument :

BNA_F

ClientSampleId :

SPRING-VALLEY-TP-1



Tgt Ion:252 Resp: 31290

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 13.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023

