

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136556.D
 Acq On : 14 Dec 2023 01:00
 Operator : CG\JU
 Sample : 05699-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ELM-N7THSTREET-DRUMS-SOIL

Quant Time: Dec 14 01:48:00 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 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	82926	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	296143	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	129868	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	195742	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	187257	20.000	ng	-0.01
86) Perylene-d12	15.451	264	175150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	419808	74.763	ng	0.00
7) Phenol-d6	6.434	99	486870	69.496	ng	-0.01
23) Nitrobenzene-d5	7.351	82	288408	52.648	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	95300	59.515	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	542424	56.992	ng	-0.02
79) Terphenyl-d14	12.915	244	502505	35.370	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.533	202	39998	3.548	ng	98
78) Pyrene	12.763	202	38873	2.120	ng	97
81) Benzo(a)anthracene	13.957	228	27484	2.107	ng	95
88) Benzo(b)fluoranthene	15.015	252	31251m	2.610	ng	
90) Benzo(a)pyrene	15.386	252	21200	2.144	ng	93

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

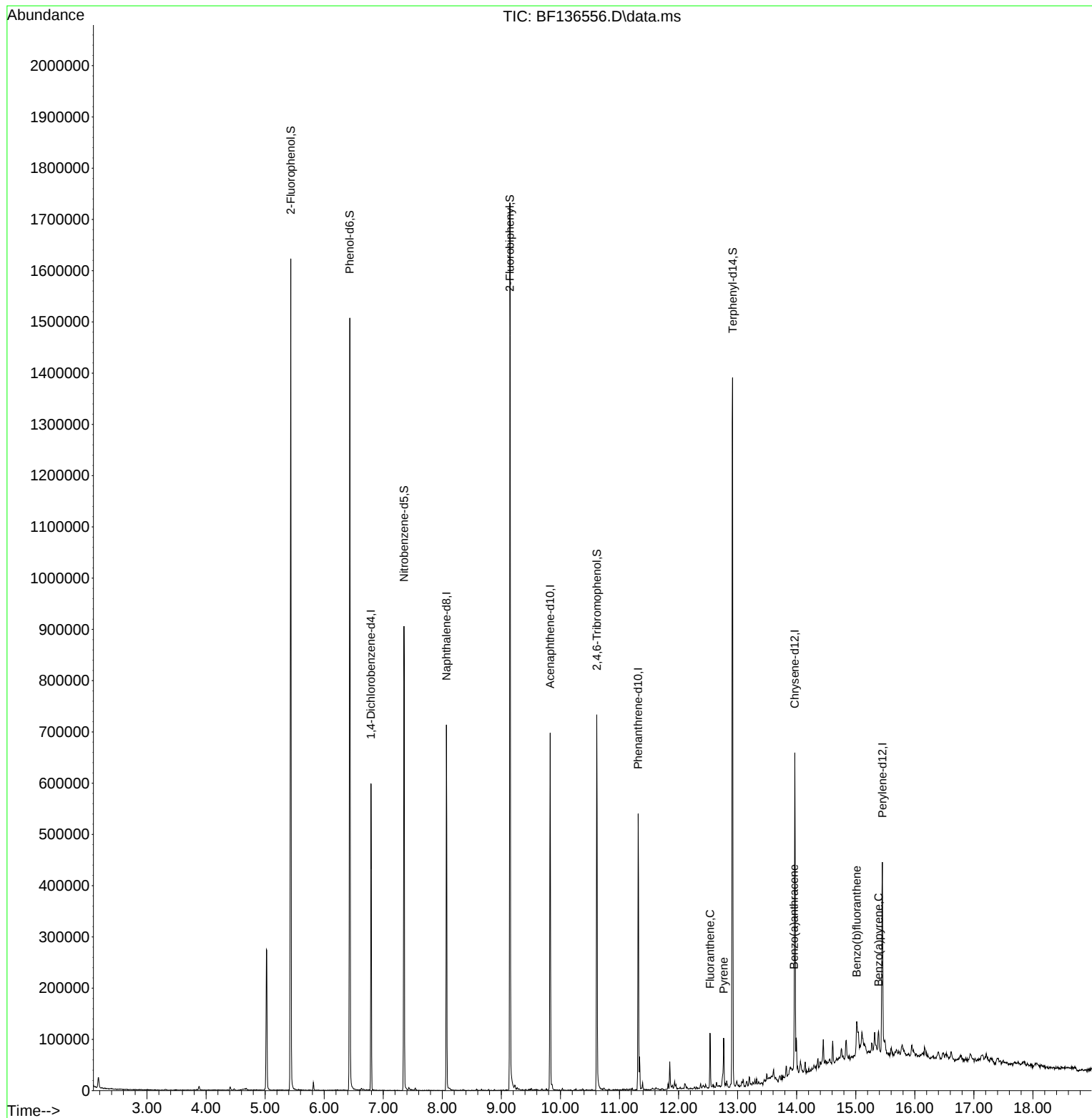
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
Data File : BF136556.D
Acq On : 14 Dec 2023 01:00
Operator : CG\JU
Sample : 05699-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

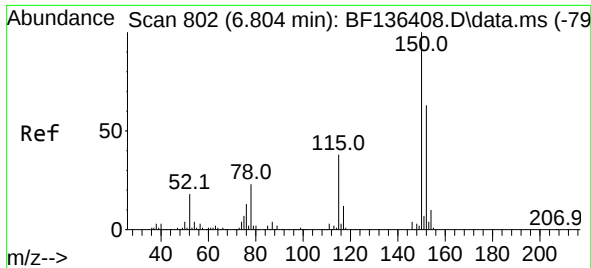
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

Quant Time: Dec 14 01:48:00 2023
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Response via : Initial Calibration

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APPROVED

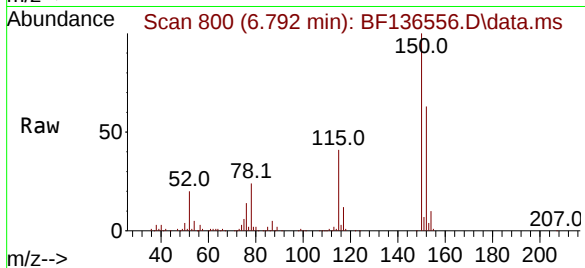
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

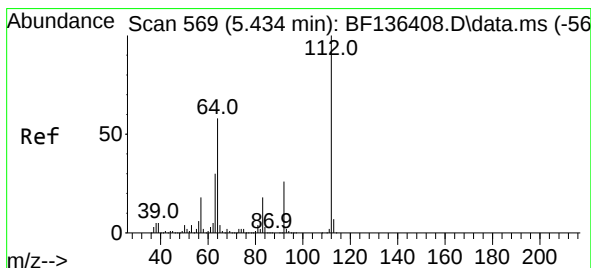
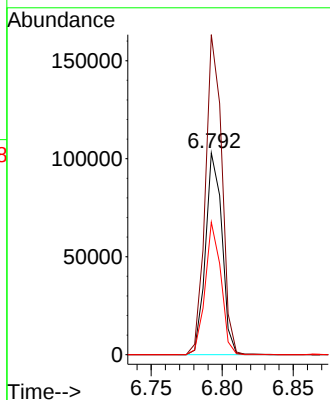
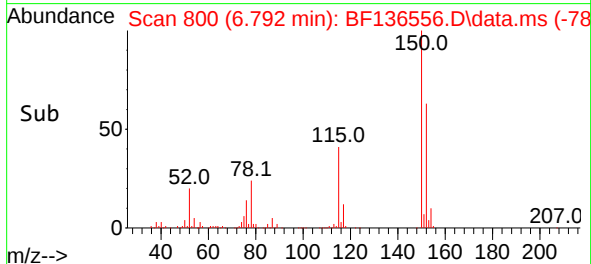
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL



Tgt Ion:152 Resp: 82920
Ion Ratio Lower Upper
152 100
150 158.6 126.4 189.6
115 65.7 48.2 72.4

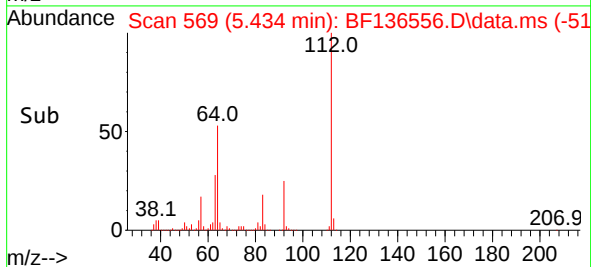
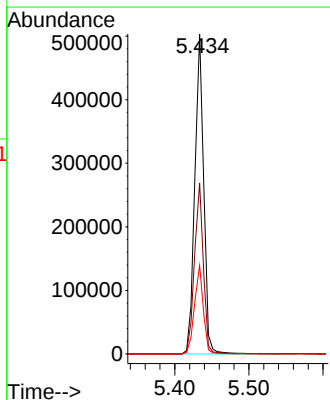
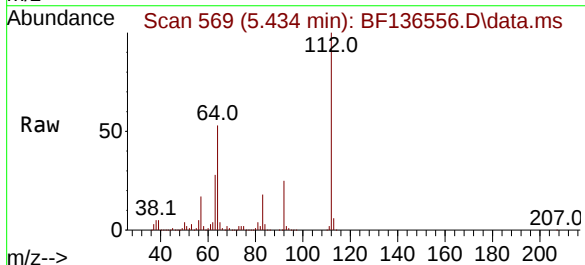
Manual Integrations
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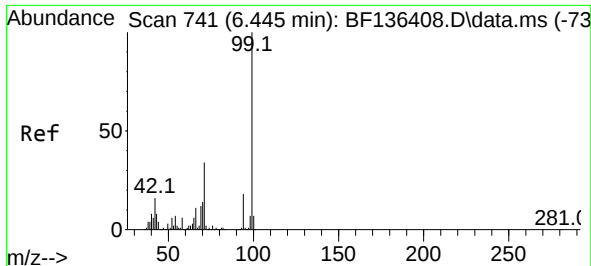
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 74.763 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

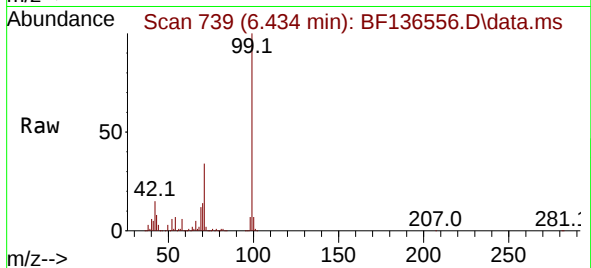
Tgt Ion:112 Resp: 419808
Ion Ratio Lower Upper
112 100
64 53.4 46.5 69.7
63 27.7 23.9 35.9





#7
Phenol-d6
Concen: 69.496 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

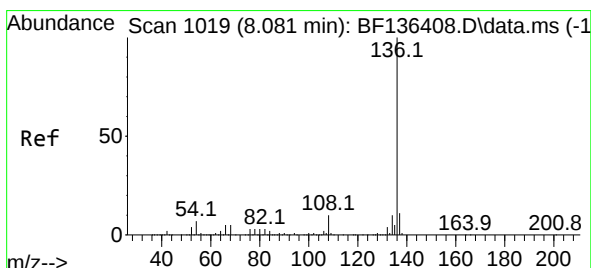
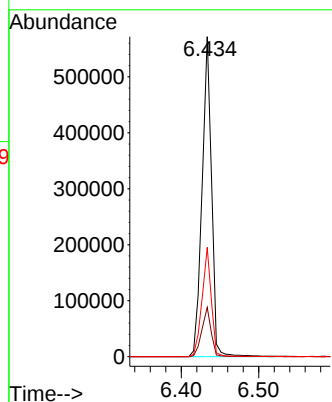
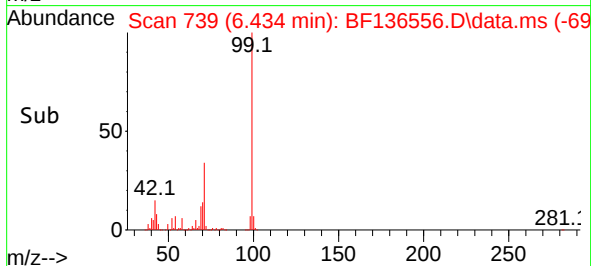
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL



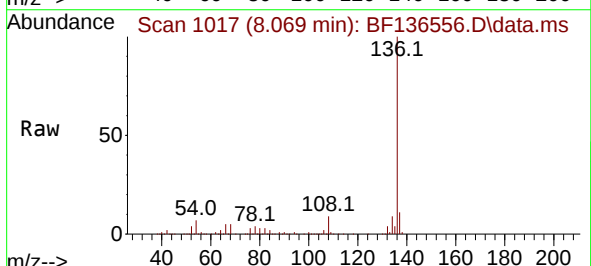
Tgt Ion: 99 Resp: 486870
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 34.1 27.0 40.4

Manual Integrations
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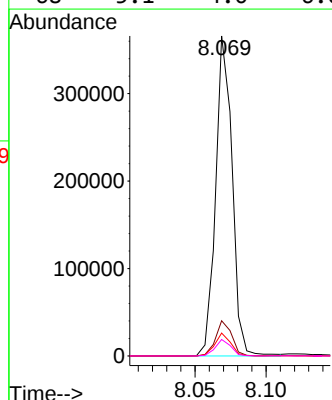
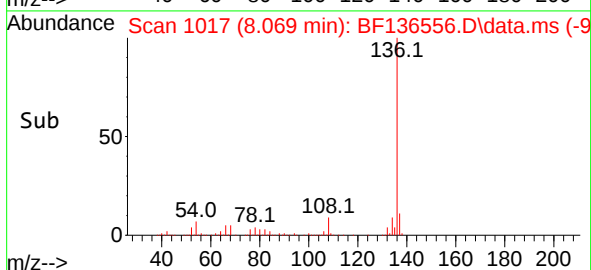
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00



Tgt Ion:136 Resp: 296143
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.2 5.7 8.5
68 5.1 4.0 6.0





#23

Nitrobenzene-d5

Concen: 52.648 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136556.D

Acq: 14 Dec 2023 01:00

Instrument :

BNA_F

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOIL

Tgt Ion: 82 Resp: 288408

Ion Ratio Lower Upper

82 100

128 45.3 36.3 54.5

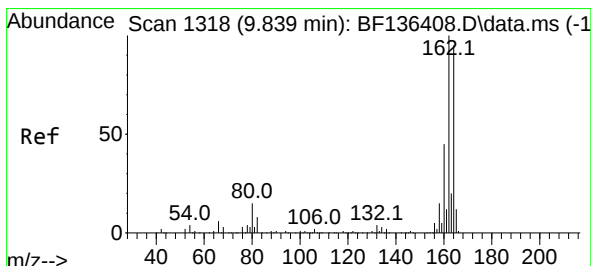
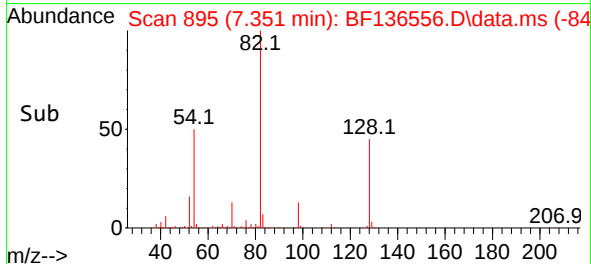
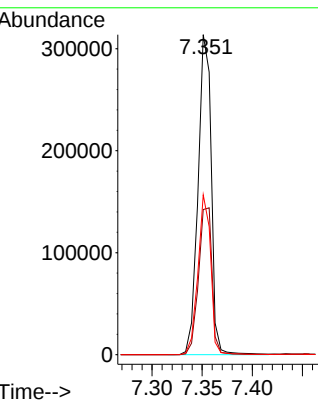
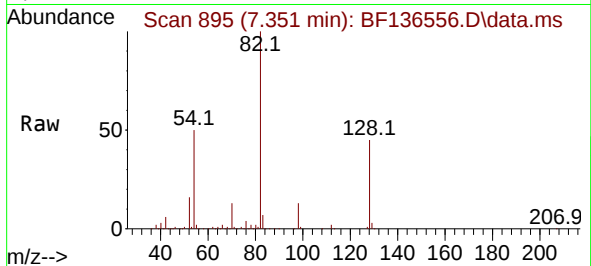
54 49.9 39.0 58.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136556.D

Acq: 14 Dec 2023 01:00

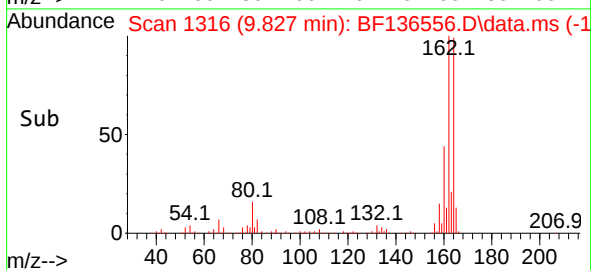
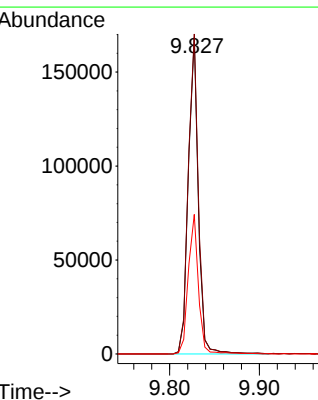
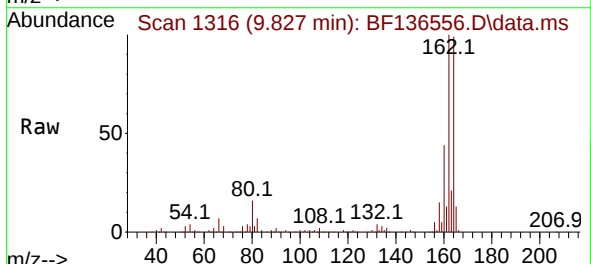
Tgt Ion:164 Resp: 129868

Ion Ratio Lower Upper

164 100

162 101.2 84.4 126.6

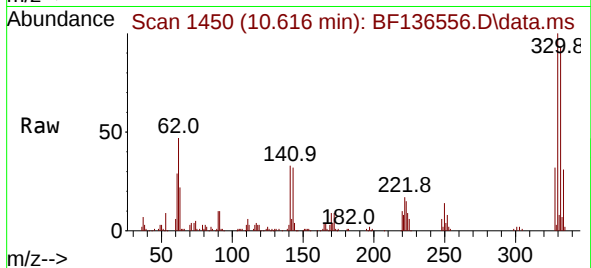
160 44.1 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 59.515 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

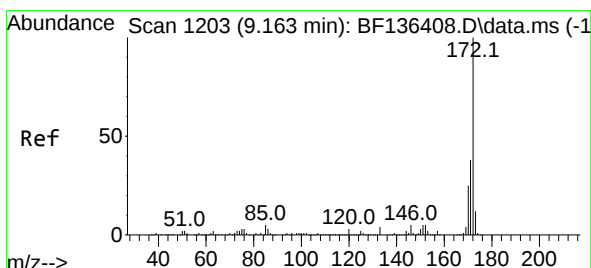
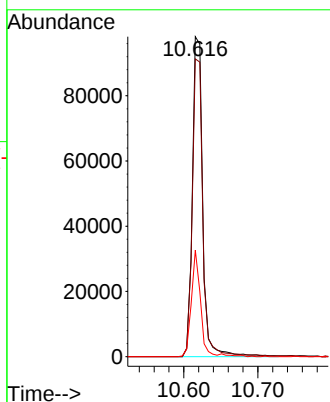
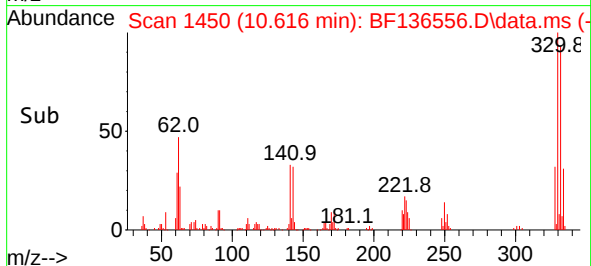
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL



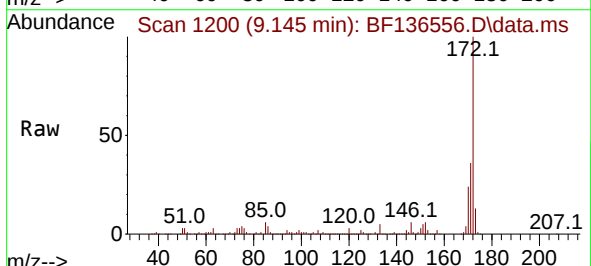
Tgt Ion: 330 Resp: 95300
Ion Ratio Lower Upper
330 100
332 94.6 76.4 114.6
141 28.8 23.4 35.2

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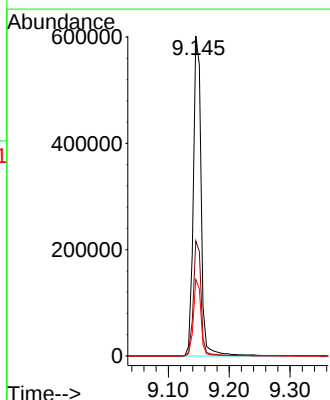
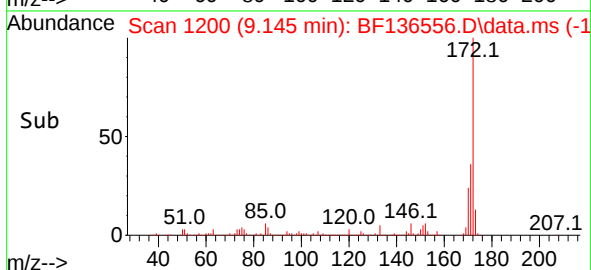
Reviewed By : Yogesh Patel 12/14/2023
Supervised By : mohammad ahmed 12/14/2023

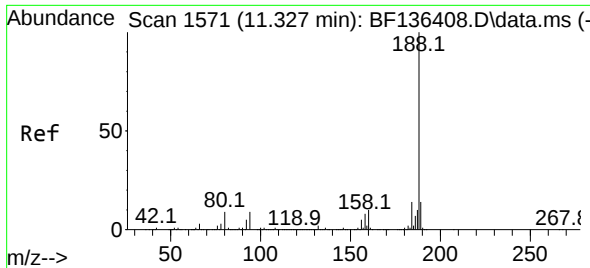


#45
2-Fluorobiphenyl
Concen: 56.992 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00



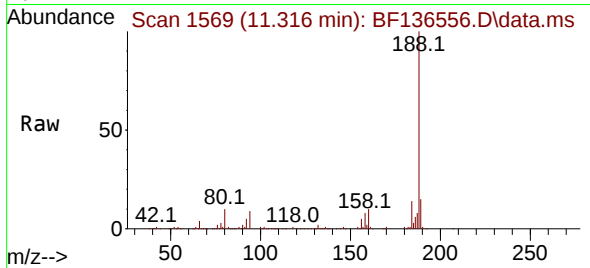
Tgt Ion: 172 Resp: 542424
Ion Ratio Lower Upper
172 100
171 36.0 30.5 45.7
170 23.9 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

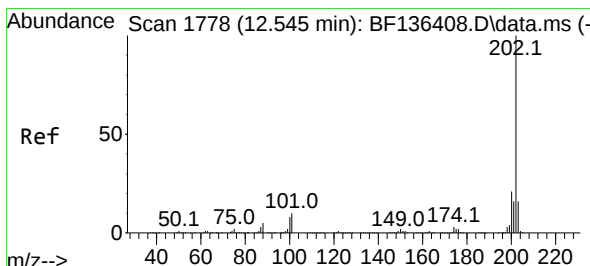
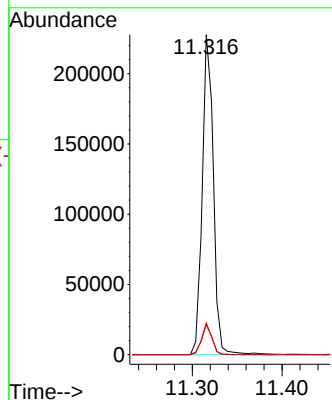
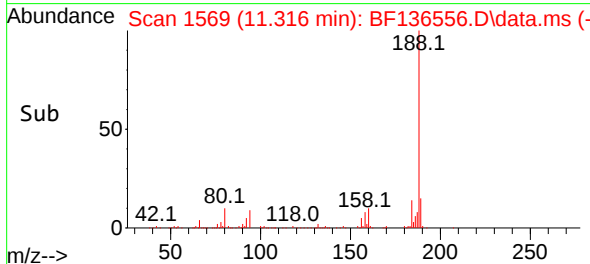
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL



Tgt Ion:188 Resp: 19574
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.0 7.2 10.8

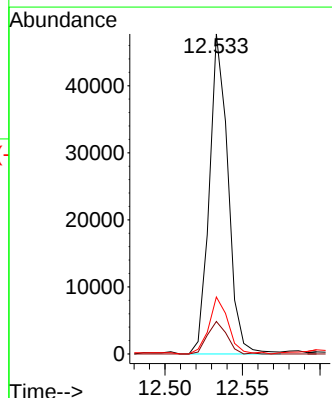
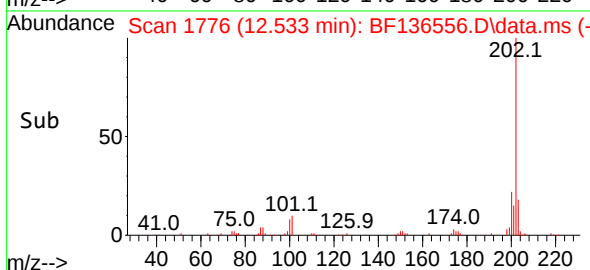
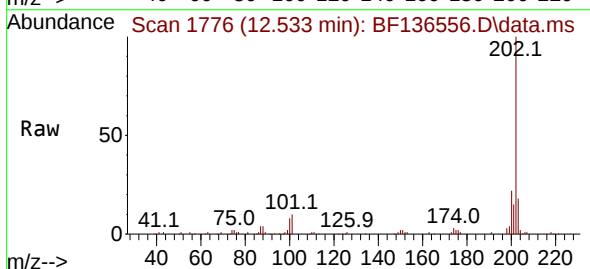
Manual Integrations
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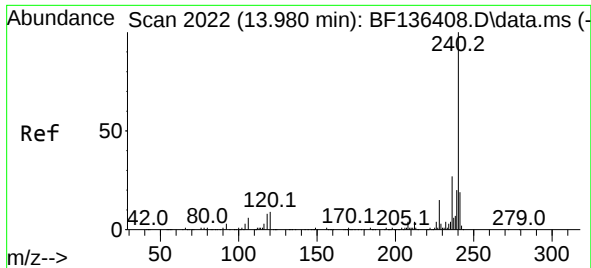
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#75
Fluoranthene
Concen: 3.548 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

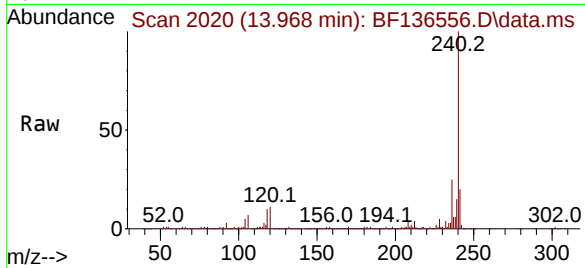
Tgt Ion:202 Resp: 39998
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.9
203 17.8 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

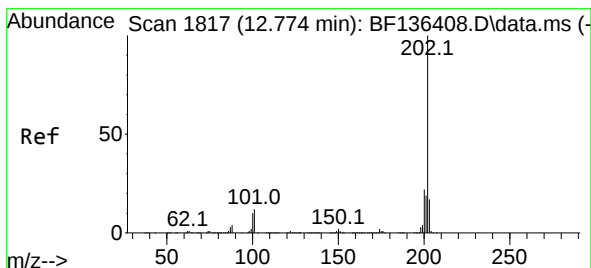
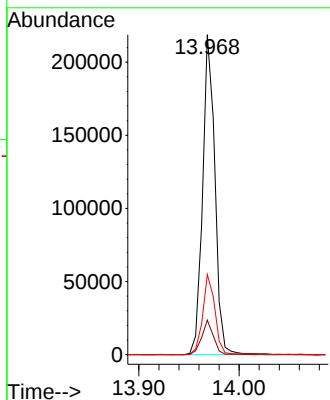
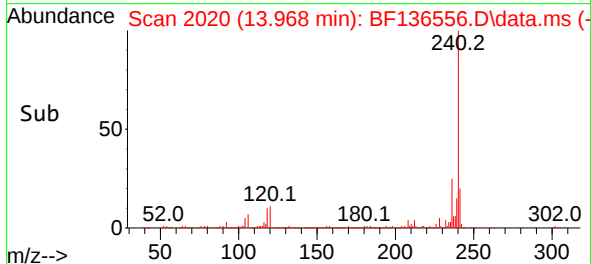
Instrument : BNA_F
ClientSampleId : ELM-N7THSTREET-DRUMS-SOIL



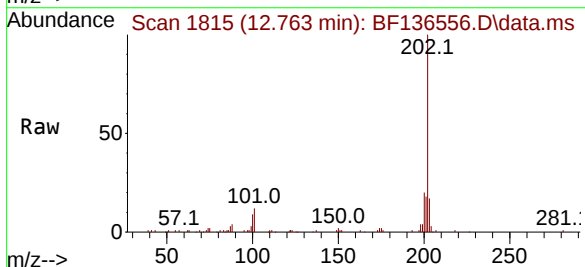
Tgt Ion:240 Resp: 18725
Ion Ratio Lower Upper
240 100
120 10.8 7.3 10.9
236 25.0 21.3 31.9

Manual Integrations
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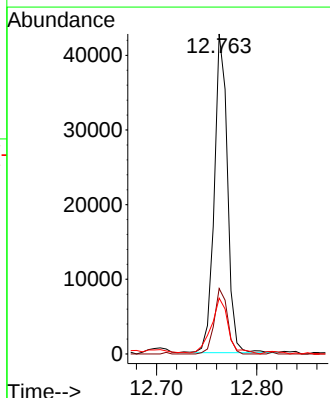
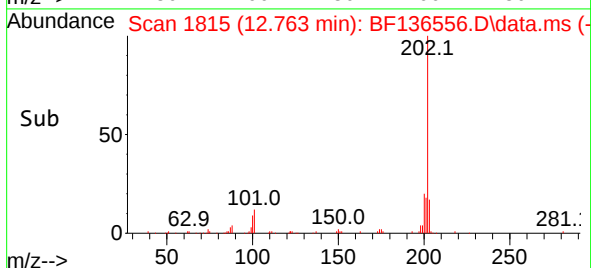
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

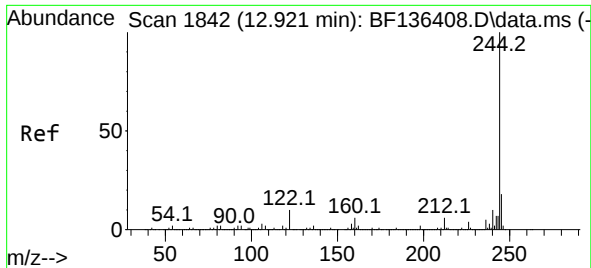


#78
Pyrene
Concen: 2.120 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00



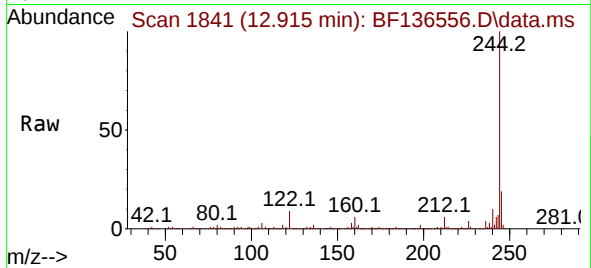
Tgt Ion:202 Resp: 38873
Ion Ratio Lower Upper
202 100
200 20.4 18.0 27.0
203 17.4 13.5 20.3





#79
Terphenyl-d14
Concen: 35.370 ng
RT: 12.915 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

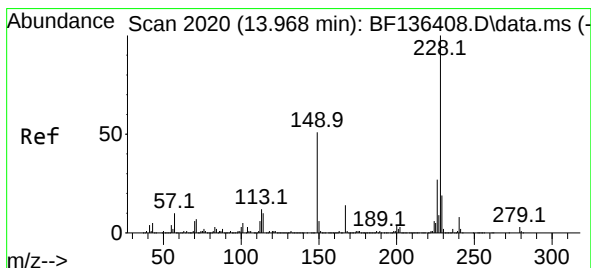
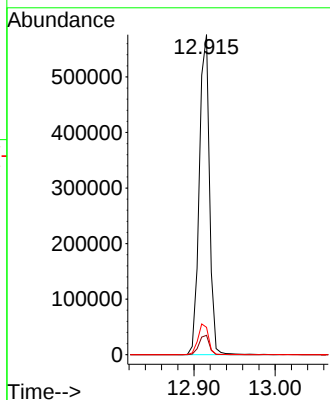
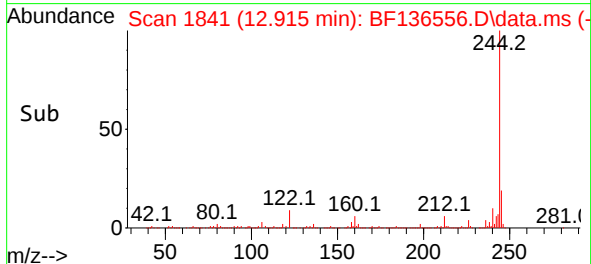
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL



Tgt Ion:244 Resp: 50250
Ion Ratio Lower Upper
244 100
212 6.0 5.0 7.4
122 8.6 8.3 12.5

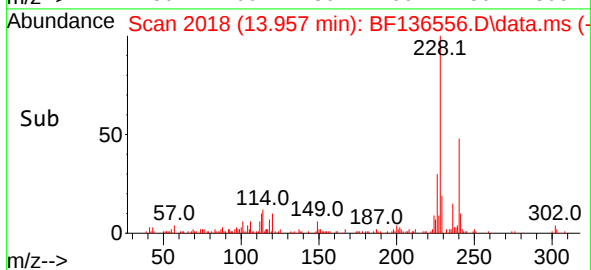
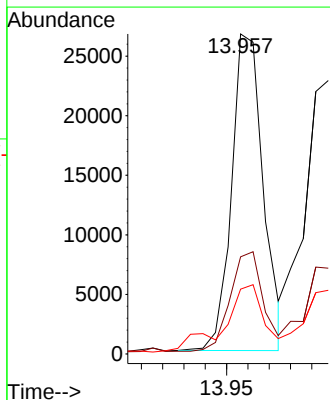
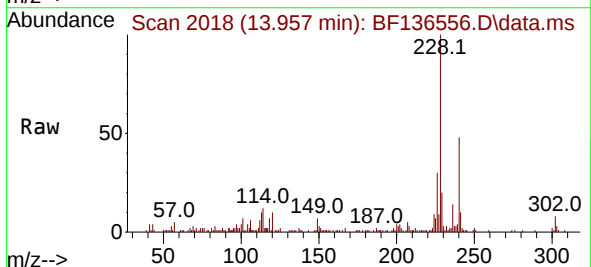
Manual Integrations
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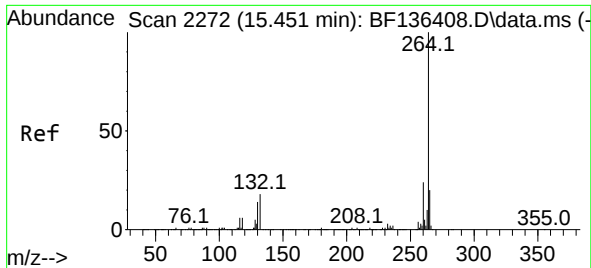
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#81
Benzo(a)anthracene
Concen: 2.107 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

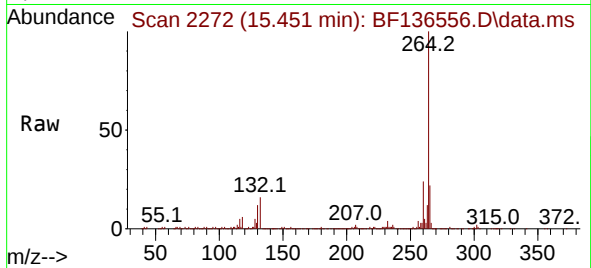
Tgt Ion:228 Resp: 27484
Ion Ratio Lower Upper
228 100
226 30.4 21.8 32.8
229 20.3 15.0 22.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

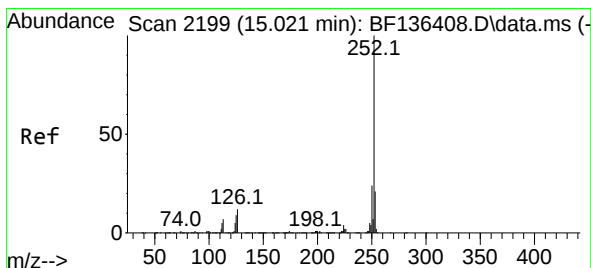
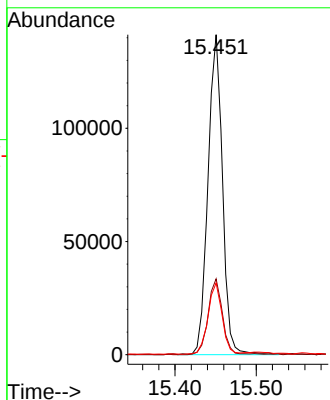
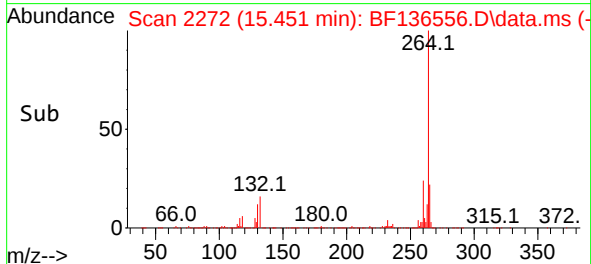
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL



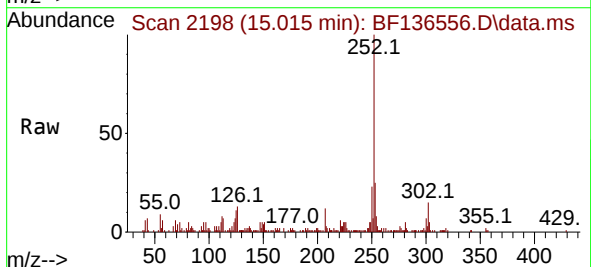
Tgt Ion:264 Resp: 175150
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.4 15.9 23.9

Manual Integrations
APPROVED

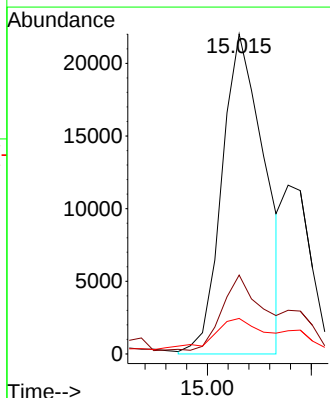
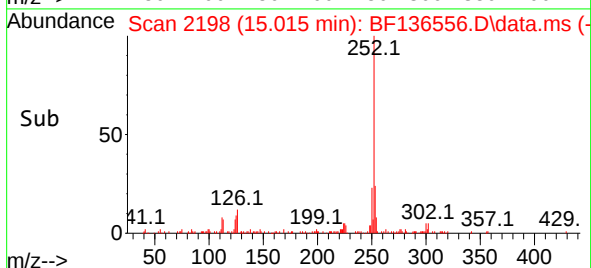
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

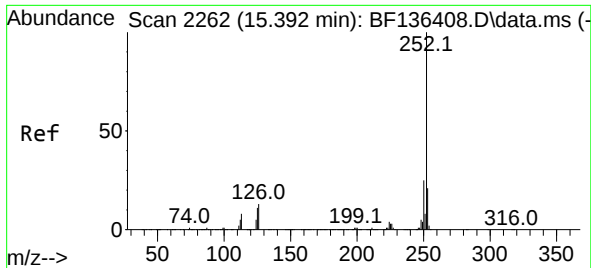


#88
Benzo(b)fluoranthene
Concen: 2.610 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00



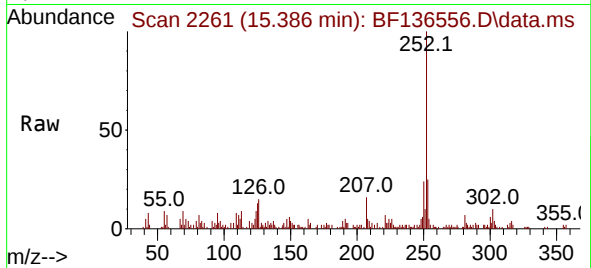
Tgt Ion:252 Resp: 31251
Ion Ratio Lower Upper
252 100
253 24.7 16.9 25.3
125 11.1 7.4 11.2





#90
Benzo(a)pyrene
Concen: 2.144 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL



Tgt Ion:252 Resp: 21200
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.4
125 12.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

