

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140516.D
 Acq On : 20 Nov 2024 22:40
 Operator : RC/JU
 Sample : P4822-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 00:09:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	101523	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	323761	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	143091	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	281764	20.000	ng	0.00
76) Chrysene-d12	14.045	240	215041	20.000	ng	0.00
86) Perylene-d12	15.539	264	157125	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	589447	99.132	ng	0.01
7) Phenol-d6	6.510	99	713045	88.511	ng	0.00
23) Nitrobenzene-d5	7.434	82	459454	73.940	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	157430	110.638	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	768779	86.368	ng	0.00
79) Terphenyl-d14	12.986	244	897319	72.431	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.616	202	55250	3.721	ng	100
78) Pyrene	12.845	202	55464	3.015	ng	100
88) Benzo(b)fluoranthene	15.104	252	25133m	2.445	ng	
90) Benzo(a)pyrene	15.474	252	15971	2.001	ng	# 78

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

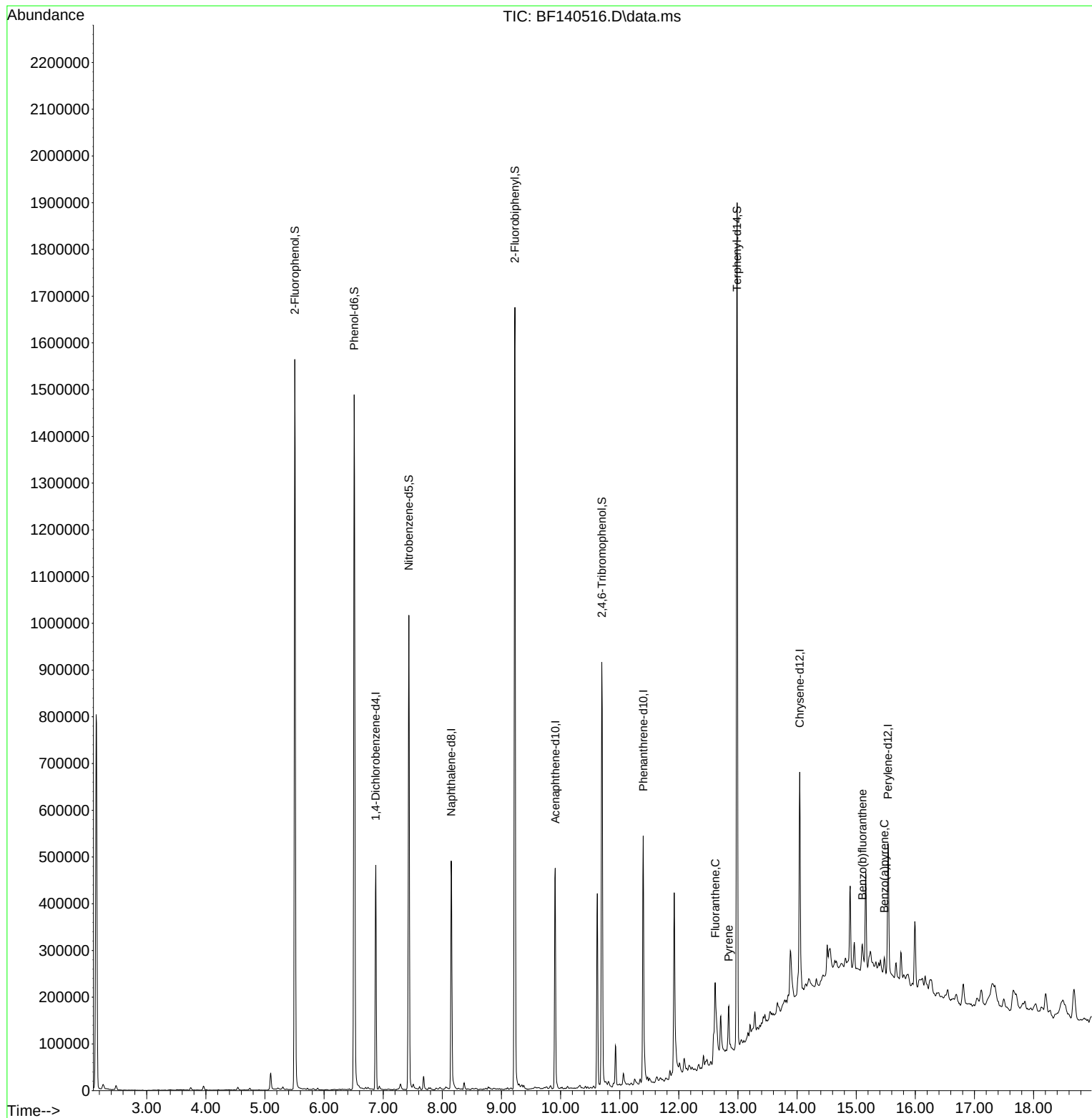
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
Operator : RC/JU
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

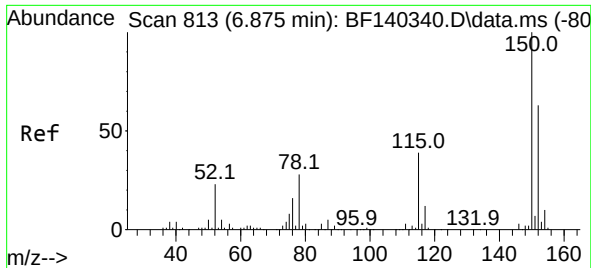
Instrument :
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SOIL-3

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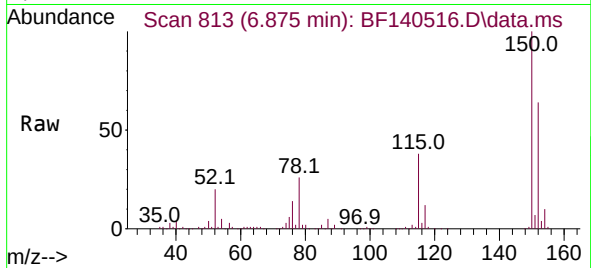
Quant Time: Nov 21 00:09:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

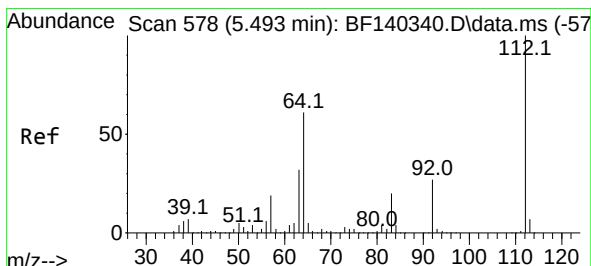
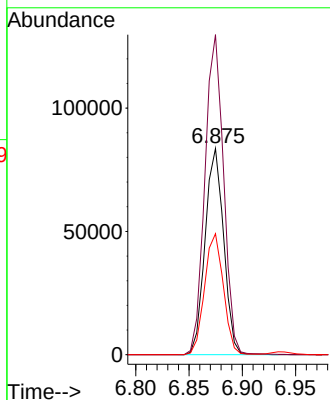
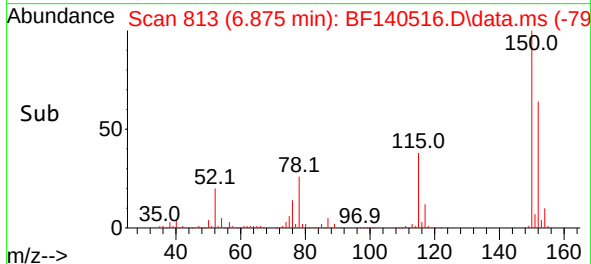
Instrument :
BNA_F
ClientSampleId :
SOIL-3



Tgt Ion:152 Resp: 10152
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.0
115 58.7 47.4 71.2

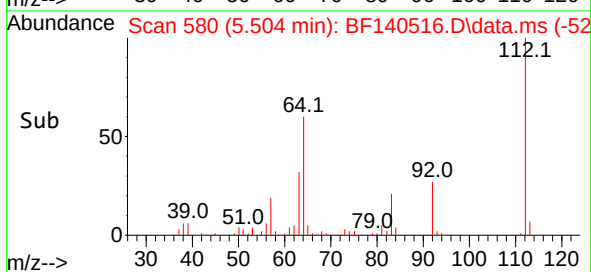
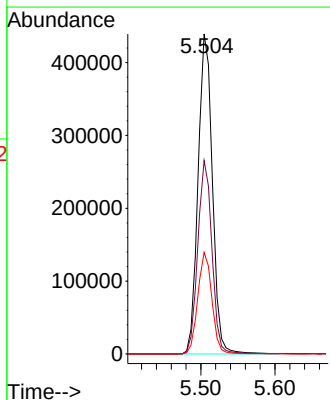
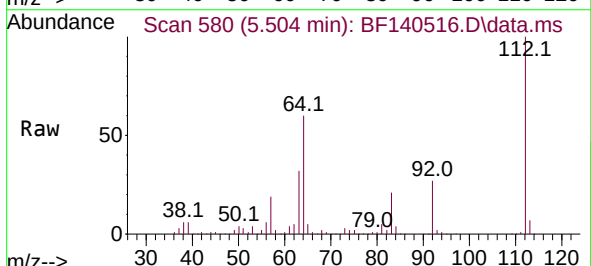
Manual Integrations
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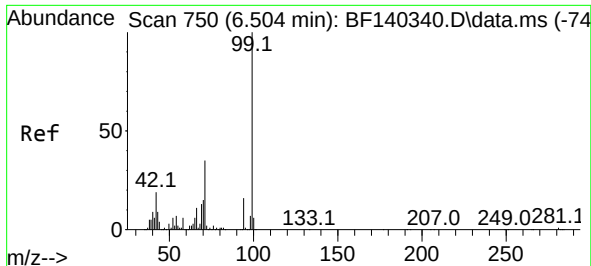
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#5
2-Fluorophenol
Concen: 99.132 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

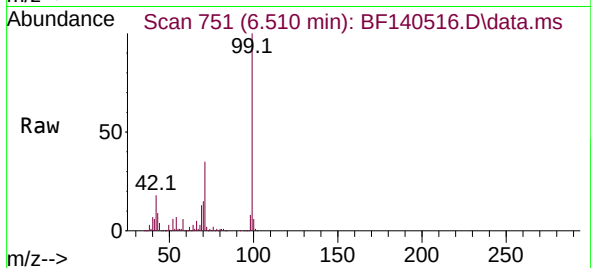
Tgt Ion:112 Resp: 589447
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 31.7 25.6 38.4





#7
Phenol-d6
Concen: 88.511 ng
RT: 6.510 min Scan# 71304
Delta R.T. 0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

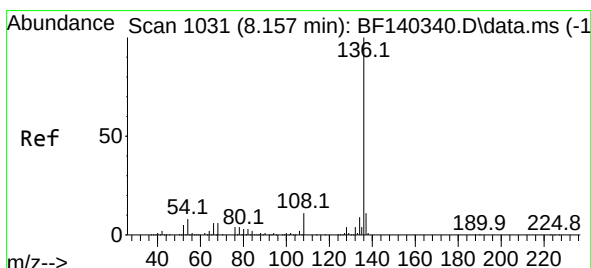
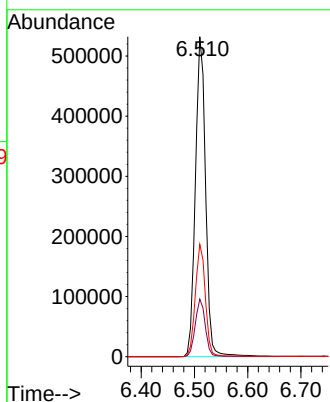
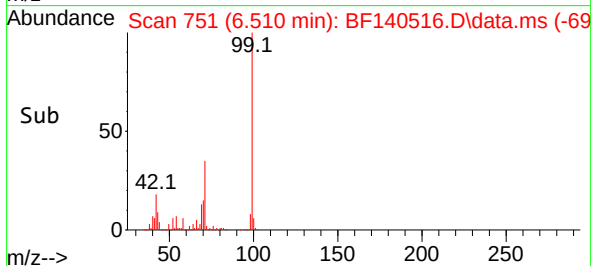
Instrument :
BNA_F
ClientSampleId :
SOIL-3



Tgt Ion: 99 Resp: 71304
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 35.1 27.9 41.9

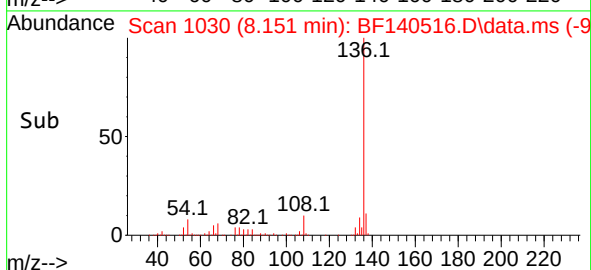
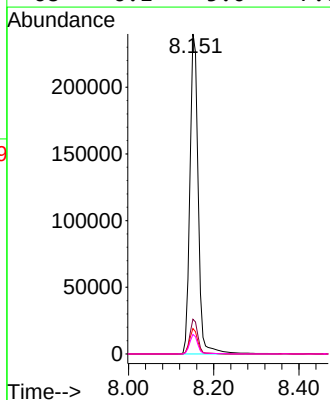
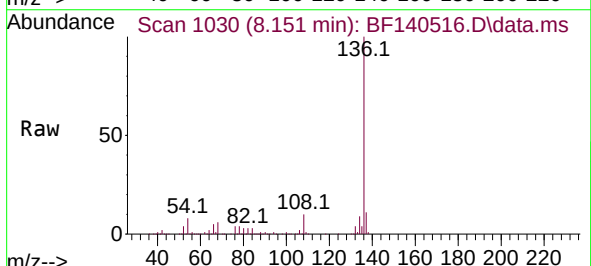
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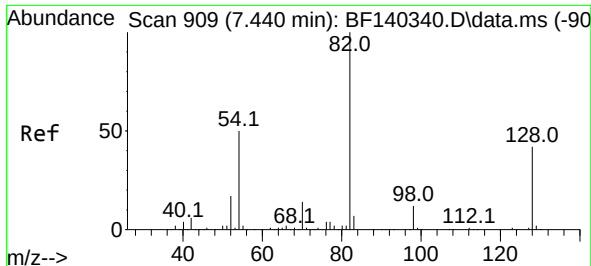
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Tgt Ion:136 Resp: 323761
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.9 6.5 9.7
68 6.1 5.0 7.6





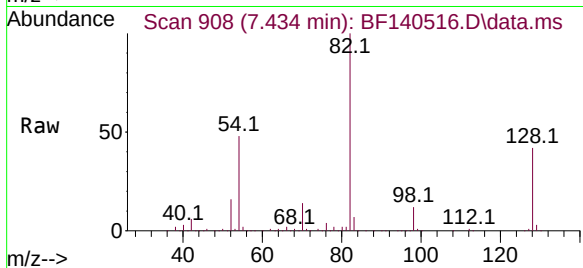
#23
Nitrobenzene-d5
Concen: 73.940 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

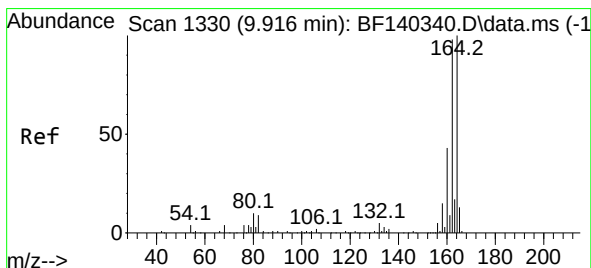
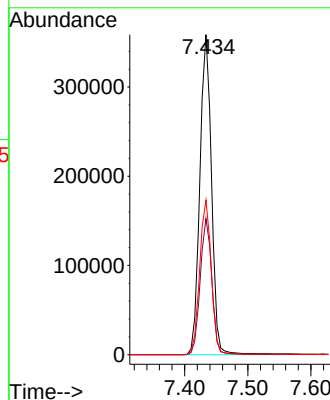
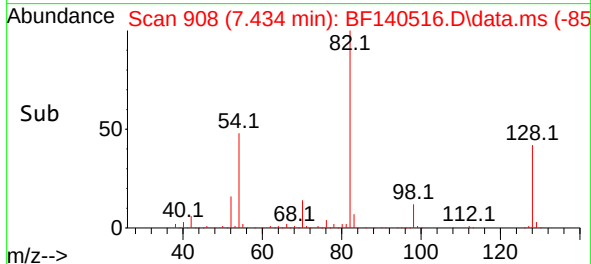


Tgt Ion: 82 Resp: 459454
Ion Ratio Lower Upper
82 100
128 42.5 33.3 49.9
54 48.3 39.8 59.8

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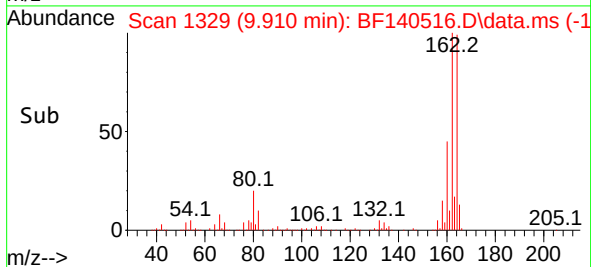
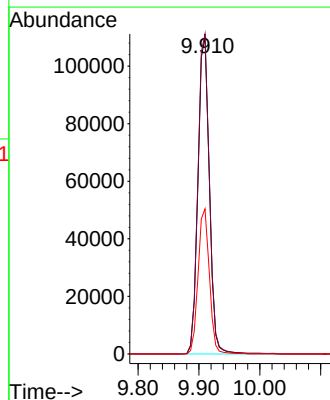
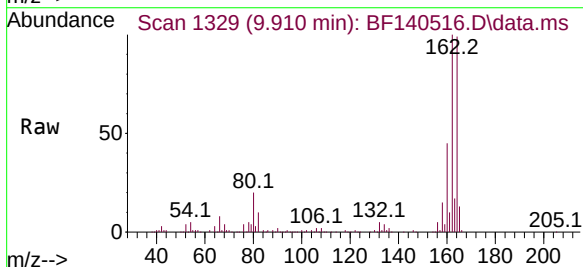
APPROVED

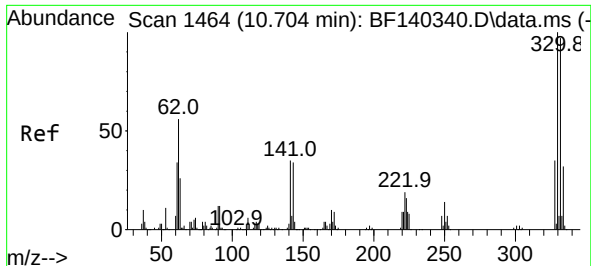
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

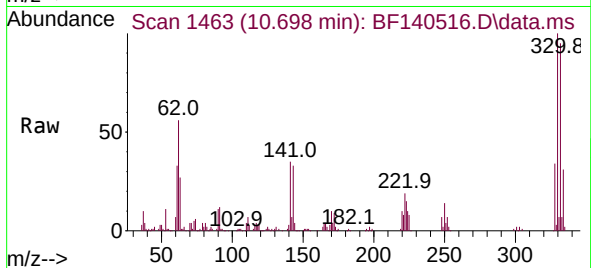
Tgt Ion:164 Resp: 143091
Ion Ratio Lower Upper
164 100
162 101.0 79.8 119.8
160 45.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 110.638 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

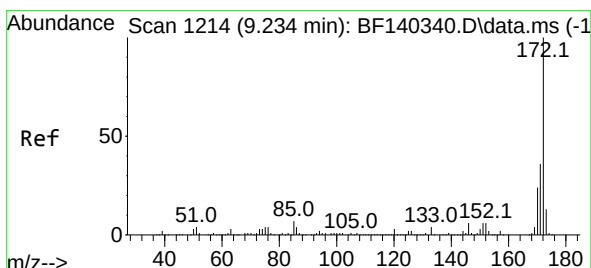
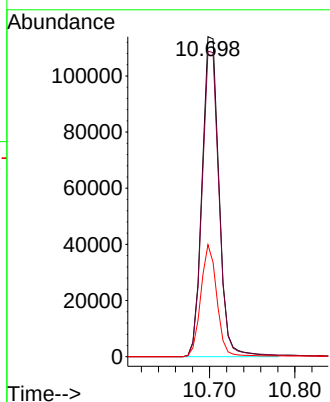
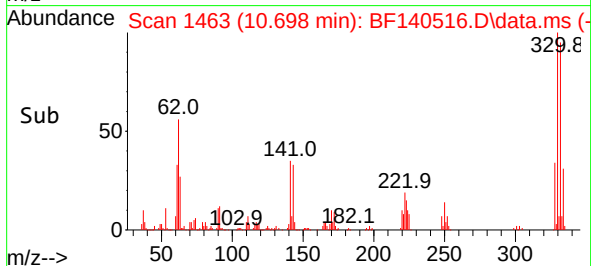
Instrument :
BNA_F
ClientSampleId :
SOIL-3



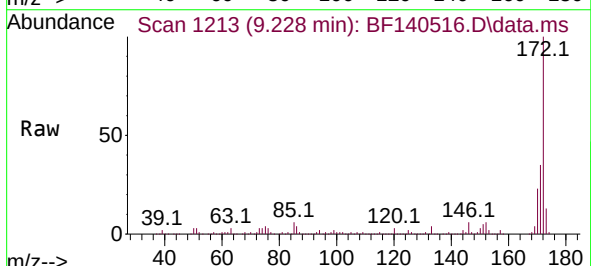
Tgt Ion: 330 Resp: 157430
Ion Ratio Lower Upper
330 100
332 96.8 75.9 113.9
141 33.9 26.9 40.3

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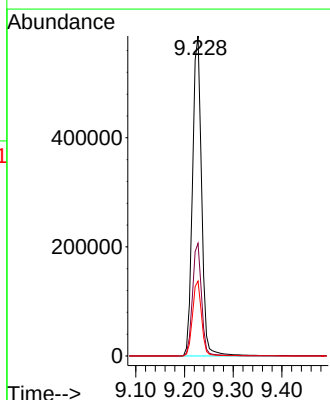
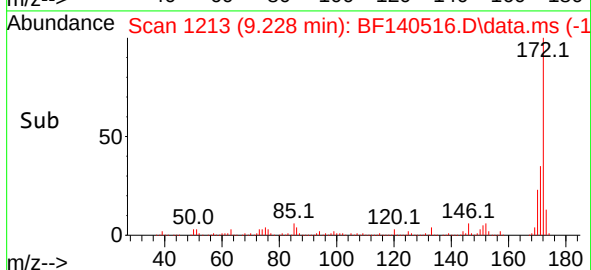
Reviewed By : Yogesh Patel 11/22/2024
Supervised By : mohammad ahmed 11/22/2024

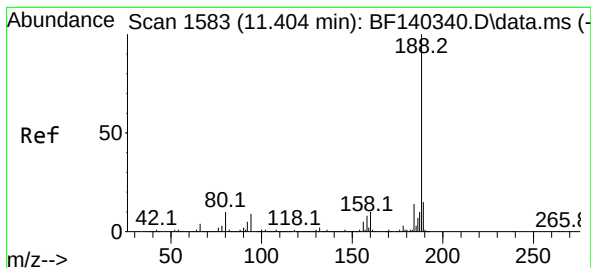


#45
2-Fluorobiphenyl
Concen: 86.368 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40



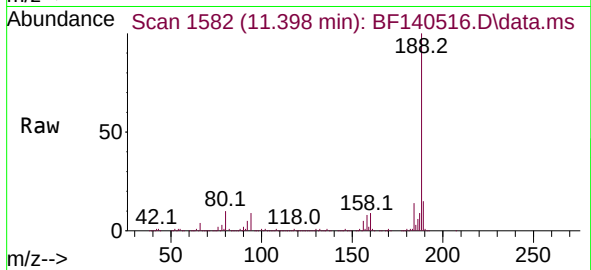
Tgt Ion: 172 Resp: 768779
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

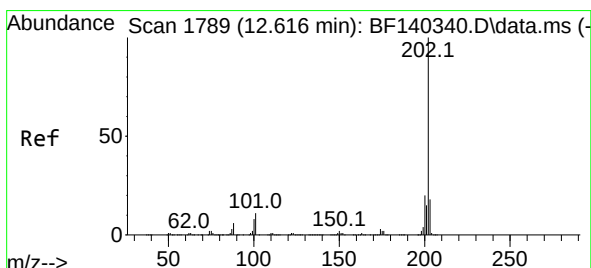
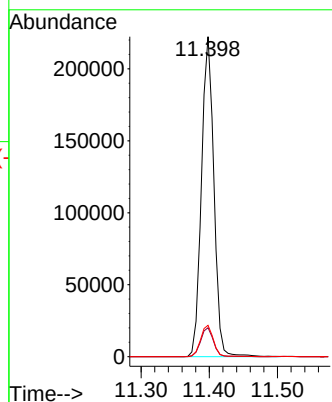
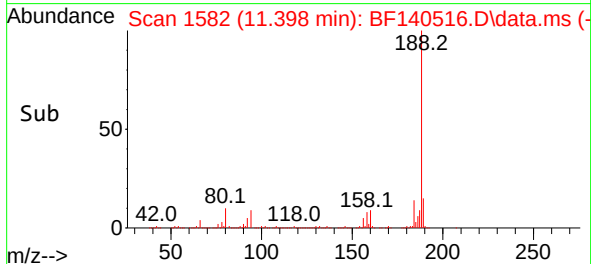
Instrument :
BNA_F
ClientSampleId :
SOIL-3



Tgt Ion:188 Resp: 281764
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.8 8.0 12.0

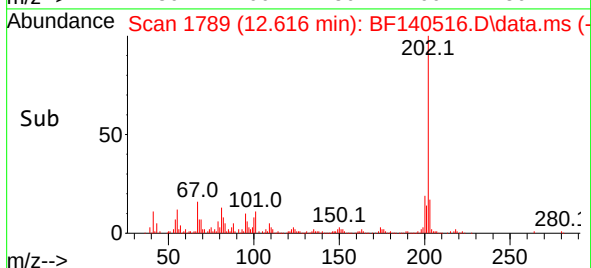
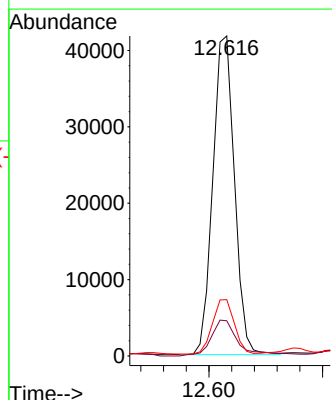
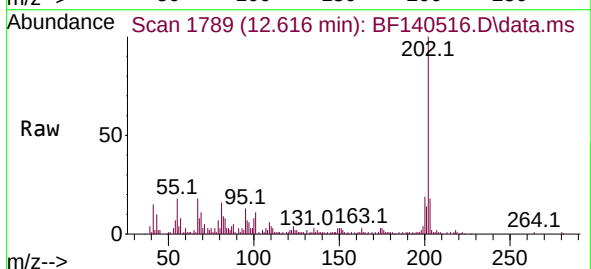
Manual Integrations
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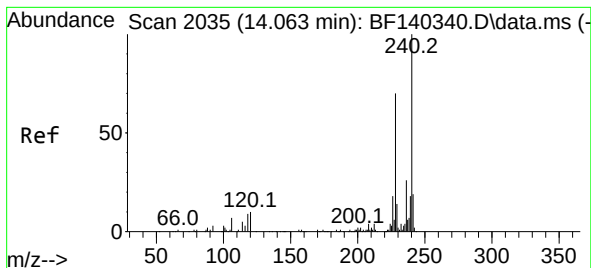
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#75
Fluoranthene
Concen: 3.721 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Tgt Ion:202 Resp: 55250
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

Tgt Ion:240 Resp: 21504

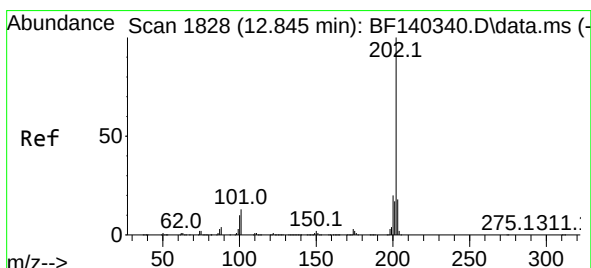
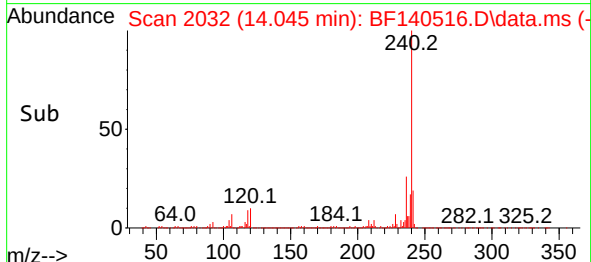
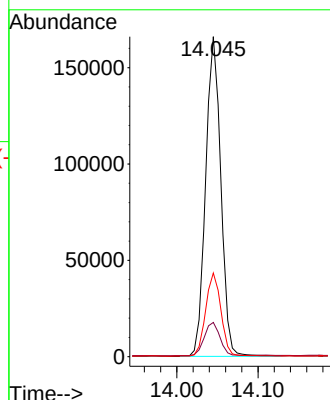
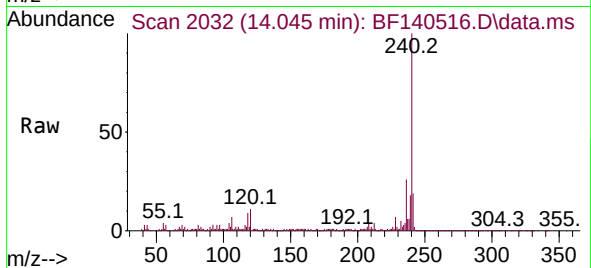
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.8	13.2
236	26.1	20.9	31.3

Manual Integrations

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Supervised By :mohammad ahmed 11/22/2024



#78

Pyrene

Concen: 3.015 ng

RT: 12.845 min Scan# 1828

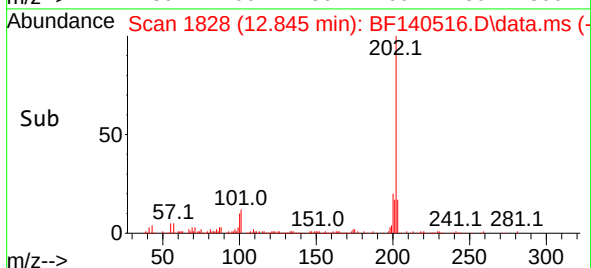
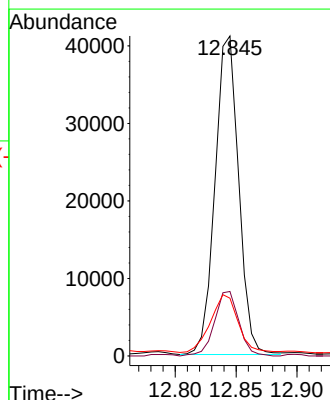
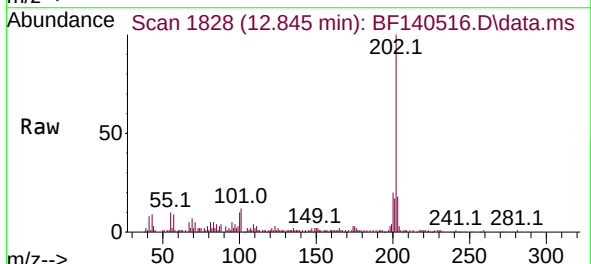
Delta R.T. -0.000 min

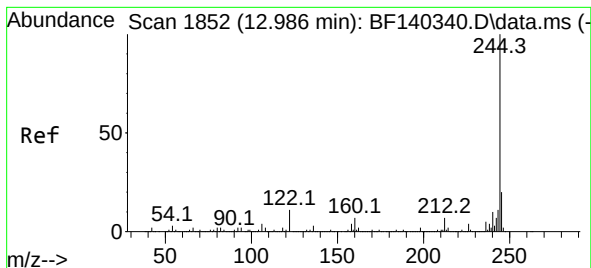
Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Tgt Ion:202 Resp: 55464

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	18.0	14.2	21.4





#79

Terphenyl-d14

Concen: 72.431 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140516.D

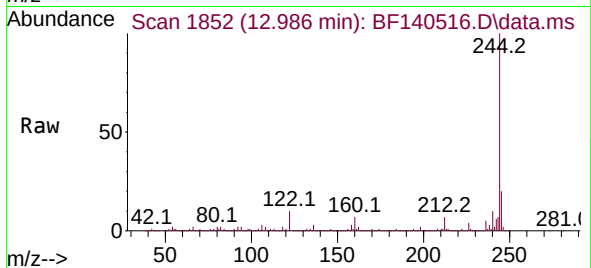
Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3



Tgt Ion:244 Resp: 897319

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

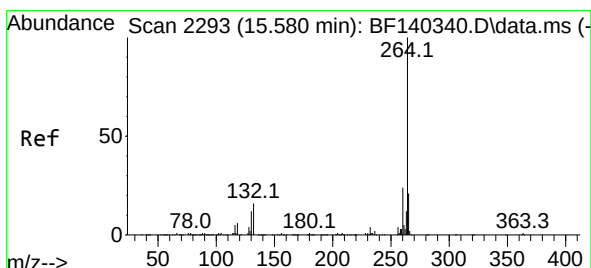
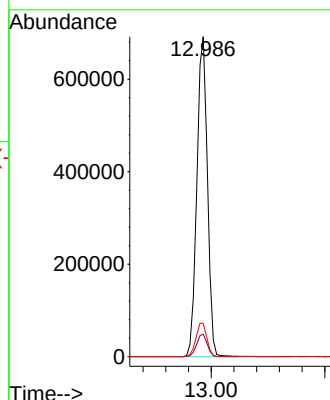
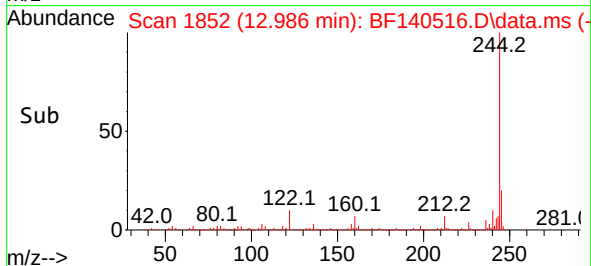
122 10.4 8.8 13.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#86

Perylene-d12

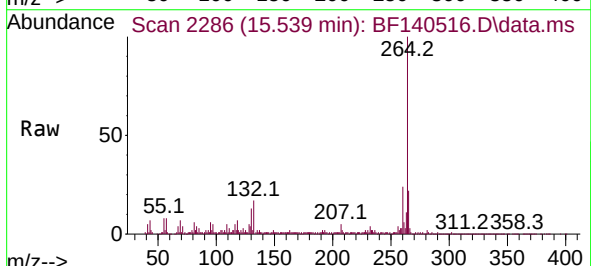
Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.018 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40



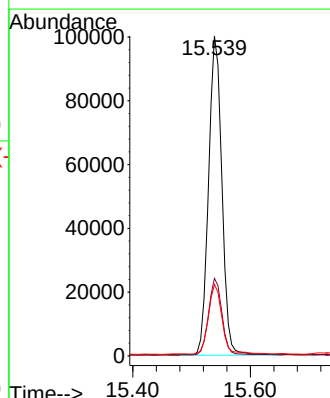
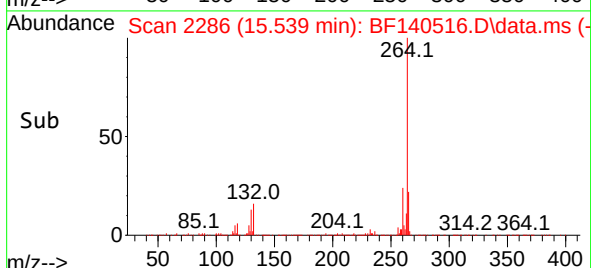
Tgt Ion:264 Resp: 157125

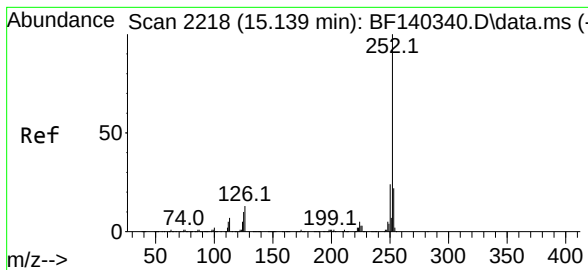
Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.4 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 2.445 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

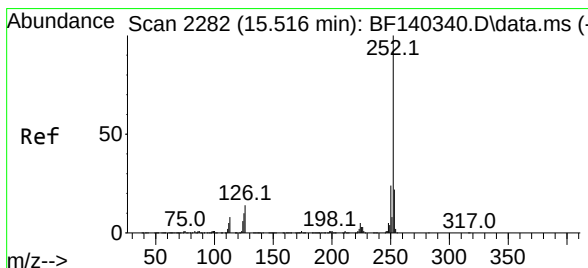
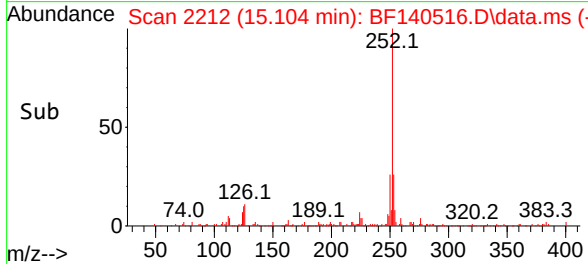
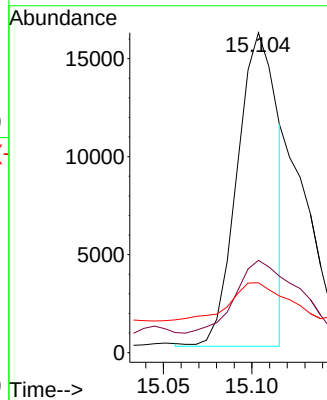
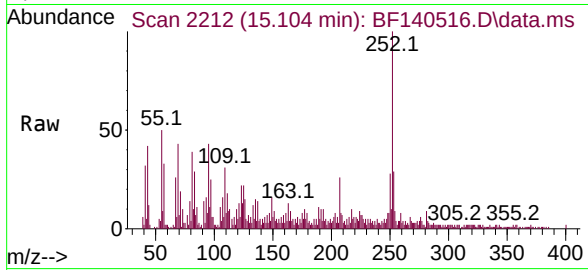
Tgt Ion:252 Resp: 2513
 Ion Ratio Lower Upper
 252 100
 253 28.8 17.5 26.3#
 125 21.9 8.0 12.0#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#90

Benzo(a)pyrene

Concen: 2.001 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.018 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Tgt Ion:252 Resp: 15971
 Ion Ratio Lower Upper
 252 100
 253 29.7 17.8 26.6#
 125 24.0 8.4 12.6#

