

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133737.D
 Acq On : 13 Jun 2023 18:29
 Operator : CG\JU
 Sample : 03114-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609

Quant Time: Jun 13 19:26:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/14/2023
 Supervised By :mohammad ahmed 06/16/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	86341	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	271826	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	118666	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	255507	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	216444	20.000	ng	-0.01
86) Perylene-d12	15.468	264	154164	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	427204	86.137	ng	0.00
7) Phenol-d6	6.457	99	463612	71.815	ng	-0.01
23) Nitrobenzene-d5	7.392	82	298789	59.869	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	123385	82.142	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	496714	59.502	ng	-0.01
79) Terphenyl-d14	12.951	244	646334	46.206	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	58936	4.546	ng	97
75) Fluoranthene	12.574	202	102936	7.478	ng	99
78) Pyrene	12.804	202	94919	4.708	ng	99
81) Benzo(a)anthracene	13.992	228	45167	3.017	ng	97
83) Chrysene	14.027	228	38793	2.740	ng	98
88) Benzo(b)fluoranthene	15.039	252	37842m	4.041	ng	
90) Benzo(a)pyrene	15.404	252	25035	2.880	ng	97

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

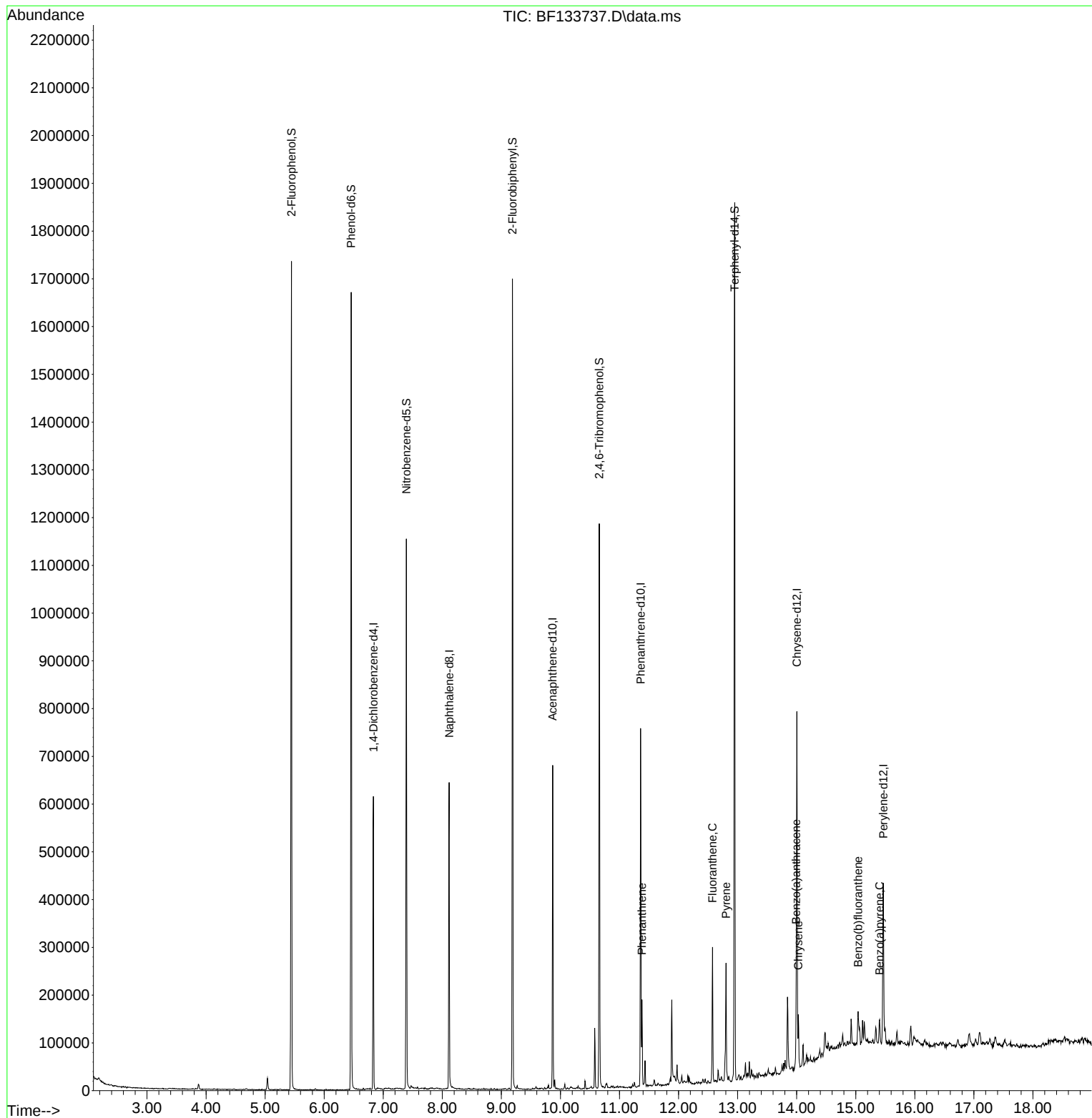
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
Data File : BF133737.D
Acq On : 13 Jun 2023 18:29
Operator : CG\JU
Sample : 03114-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

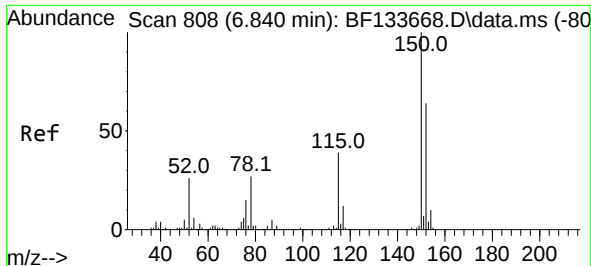
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609

Quant Time: Jun 13 19:26:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 13 11:26:55 2023
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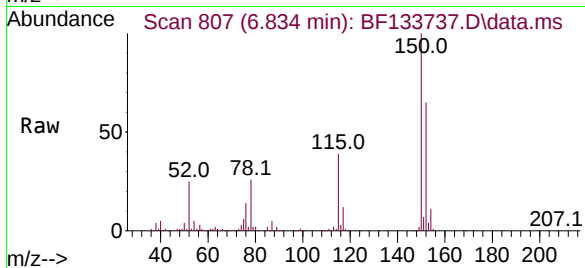
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

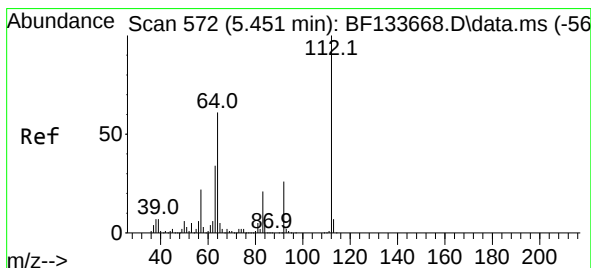
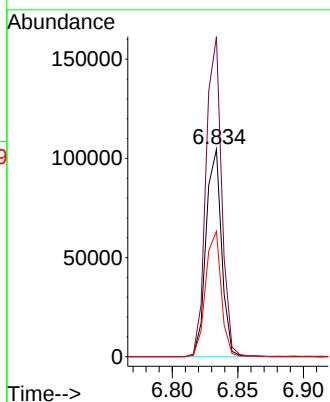
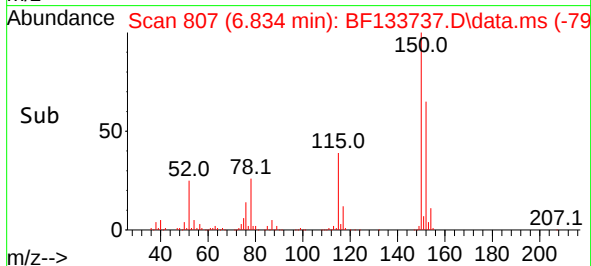
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609



Tgt Ion:152 Resp: 8634
Ion Ratio Lower Upper
152 100
150 154.3 124.3 186.5
115 60.5 48.5 72.7

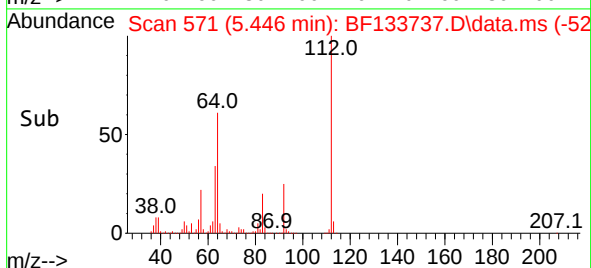
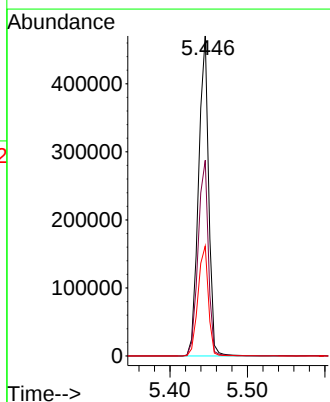
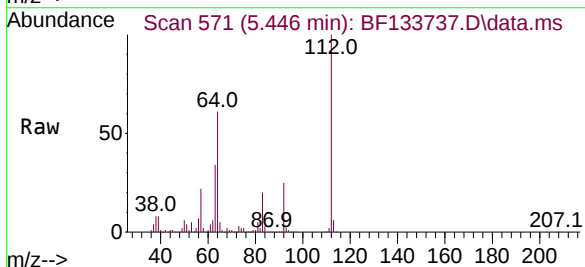
Manual Integrations
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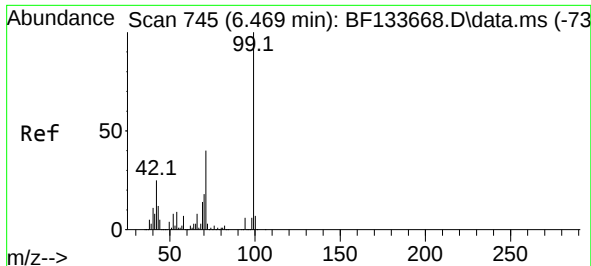
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#5
2-Fluorophenol
Concen: 86.137 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

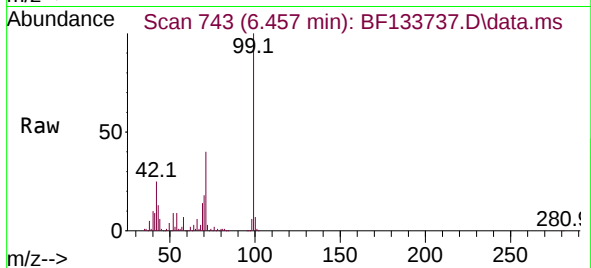
Tgt Ion:112 Resp: 427204
Ion Ratio Lower Upper
112 100
64 61.1 49.0 73.4
63 34.4 26.8 40.2





#7
Phenol-d6
Concen: 71.815 ng
RT: 6.457 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

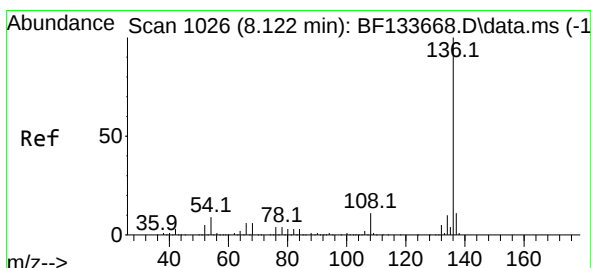
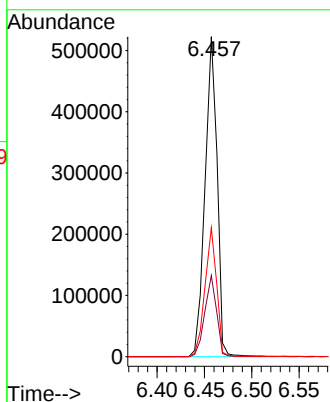
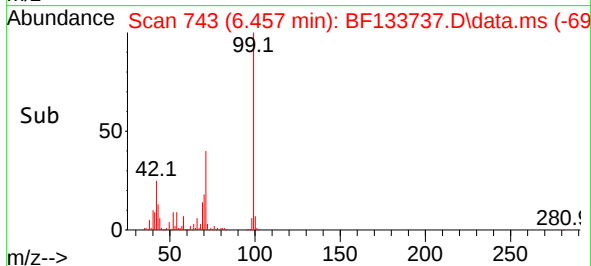
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609



Tgt Ion: 99 Resp: 463612
Ion Ratio Lower Upper
99 100
42 25.3 19.9 29.9
71 40.3 32.2 48.4

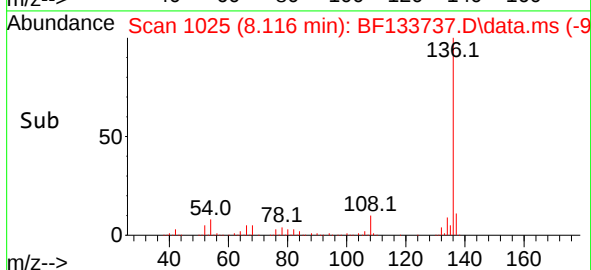
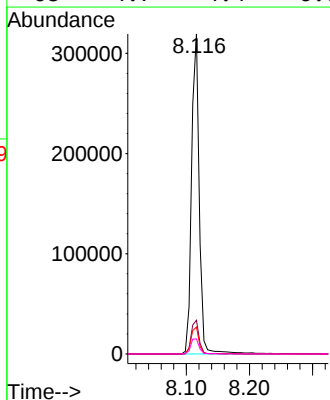
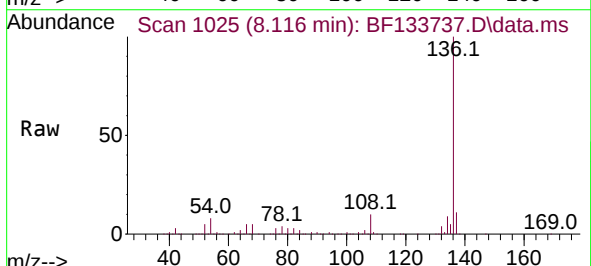
Manual Integrations
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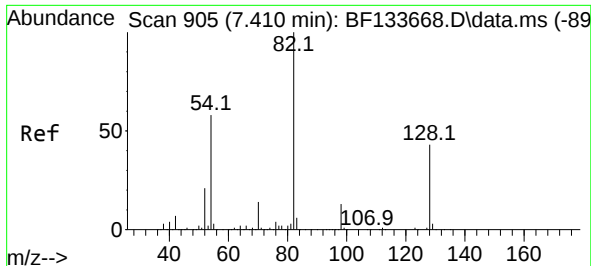
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

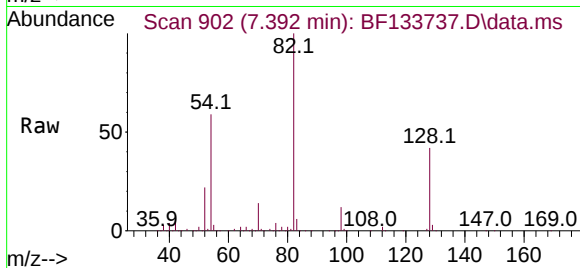
Tgt Ion:136 Resp: 271826
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.4 7.4 11.0
68 4.7 4.4 6.6





#23
Nitrobenzene-d5
Concen: 59.869 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

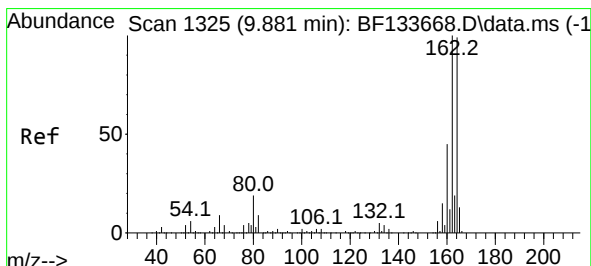
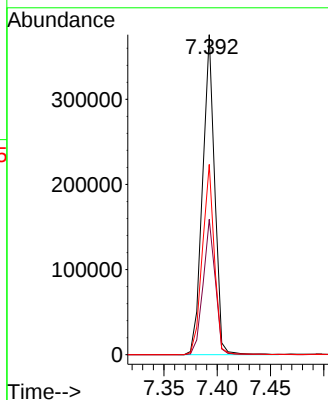
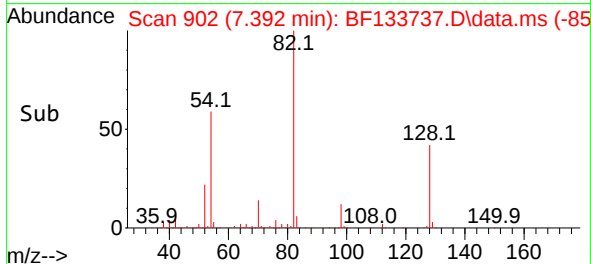
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609



Tgt Ion: 82 Resp: 298789
Ion Ratio Lower Upper
82 100
128 42.3 34.2 51.2
54 59.5 46.5 69.7

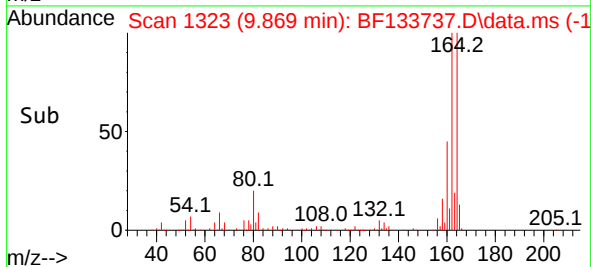
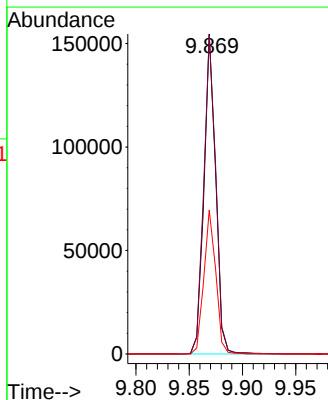
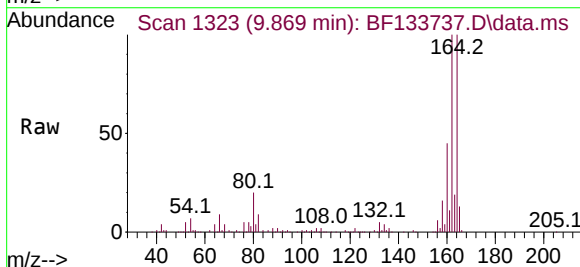
Manual Integrations
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Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

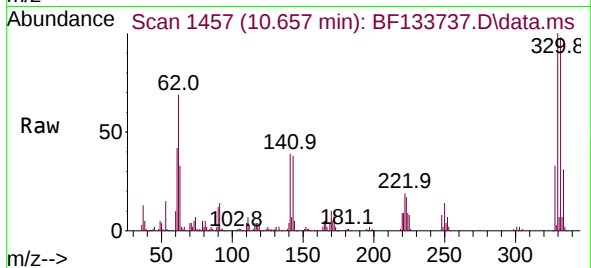
Tgt Ion:164 Resp: 118666
Ion Ratio Lower Upper
164 100
162 99.7 80.8 121.2
160 45.0 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 82.142 ng
RT: 10.657 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

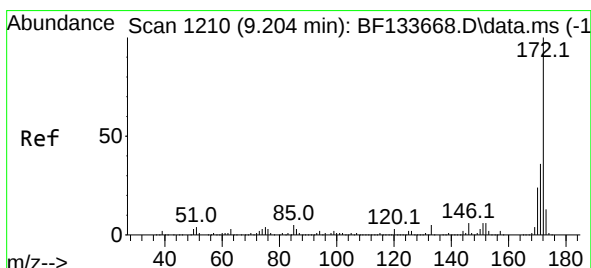
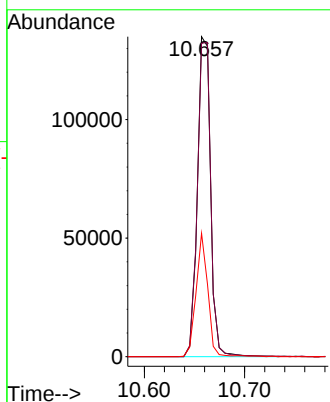
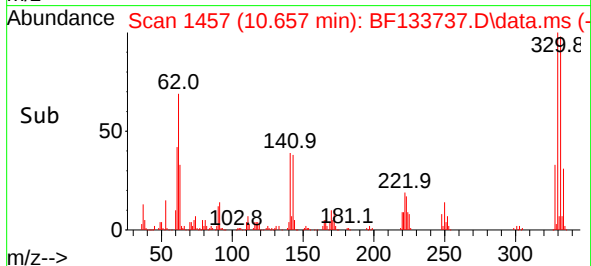
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609



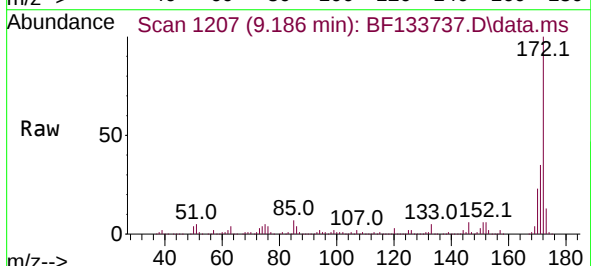
Tgt Ion: 330 Resp: 12338
Ion Ratio Lower Upper
330 100
332 100.3 77.2 115.8
141 34.3 24.9 37.3

Manual Integrations
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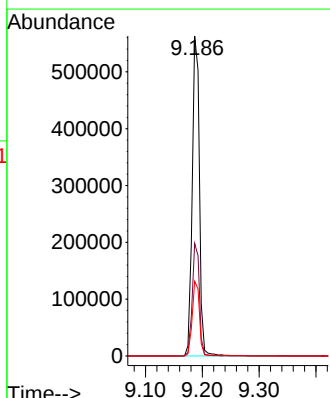
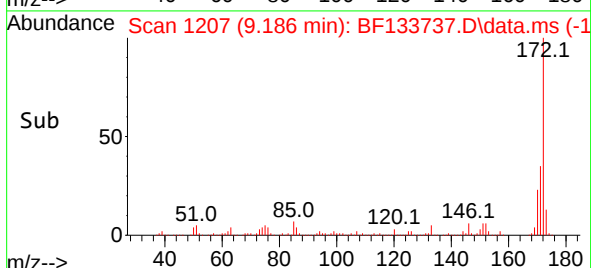
Reviewed By : Yogesh Patel 06/14/2023
Supervised By : mohammad ahmed 06/16/2023



#45
2-Fluorobiphenyl
Concen: 59.502 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29



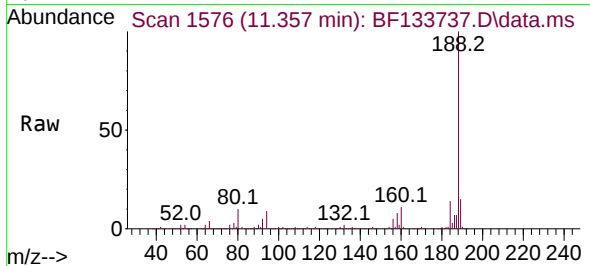
Tgt Ion: 172 Resp: 496714
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

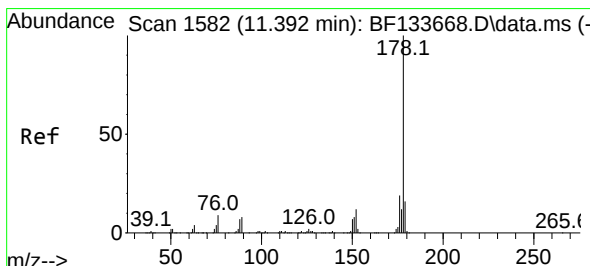
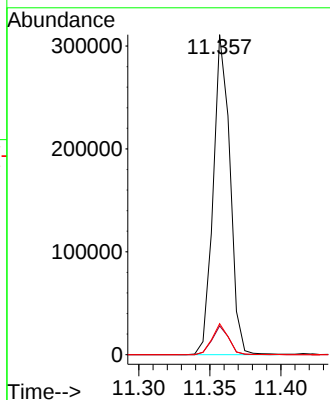
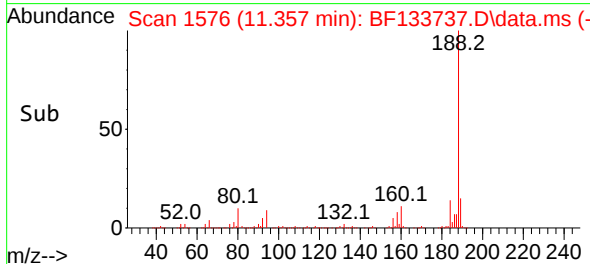
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609



Tgt Ion:188 Resp: 25550
Ion Ratio Lower Upper
188 100
94 9.0 6.8 10.2
80 9.7 7.8 11.6

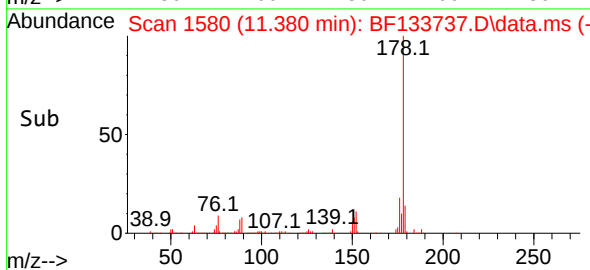
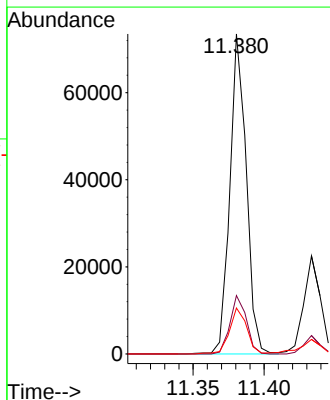
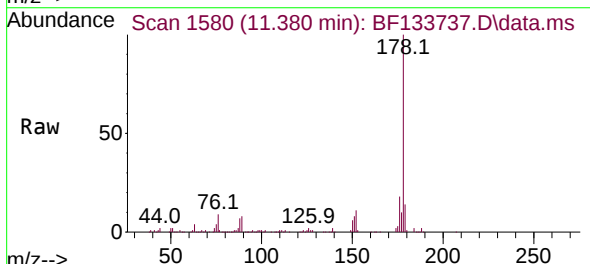
Manual Integrations
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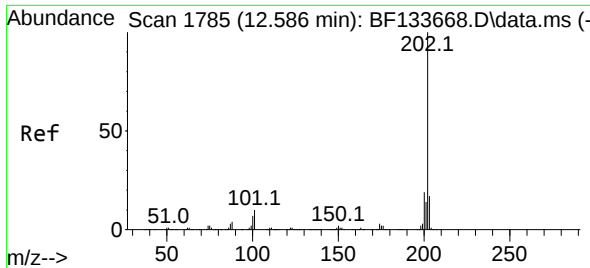
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#71
Phenanthrene
Concen: 4.546 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

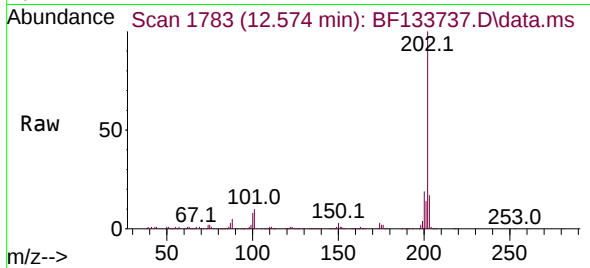
Tgt Ion:178 Resp: 58936
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 14.4 12.4 18.6





#75
Fluoranthene
Concen: 7.478 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

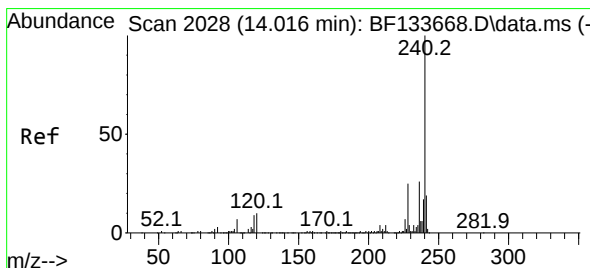
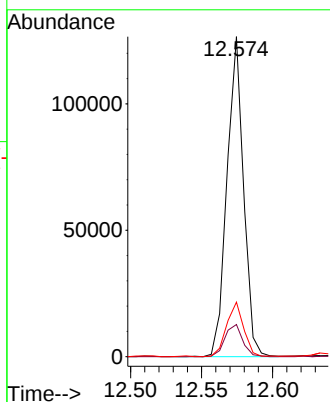
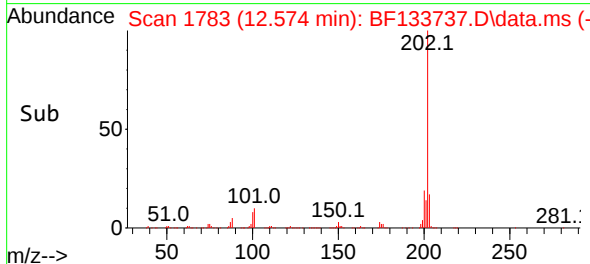
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609



Tgt Ion:202 Resp: 102930
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.6
203 17.1 0.0 37.4

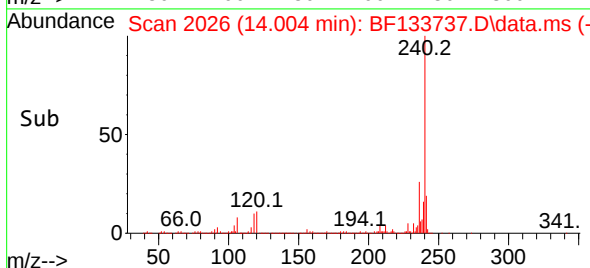
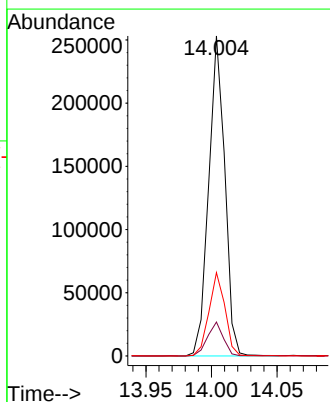
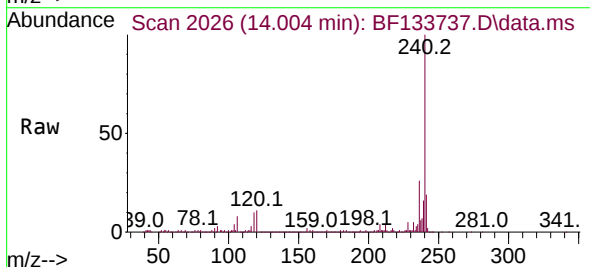
Manual Integrations
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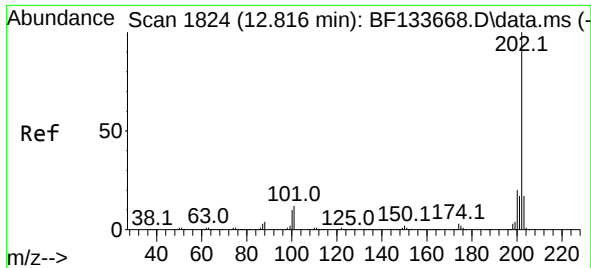
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

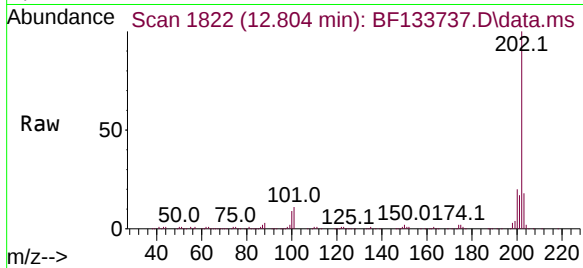
Tgt Ion:240 Resp: 216444
Ion Ratio Lower Upper
240 100
120 10.6 8.1 12.1
236 26.1 20.5 30.7





#78
Pyrene
Concen: 4.708 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

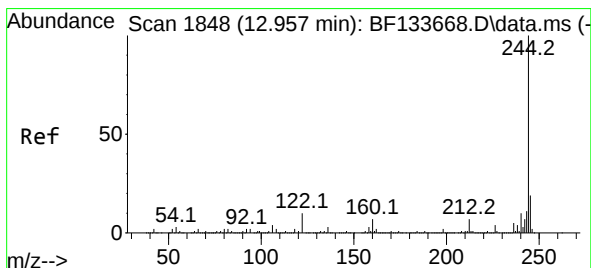
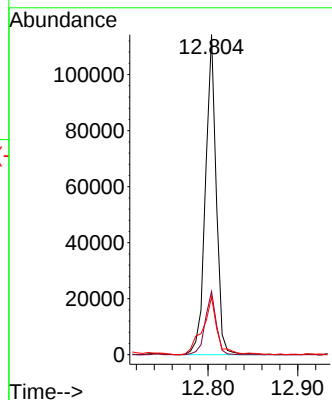
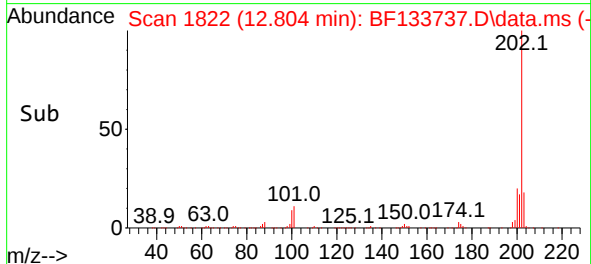
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609



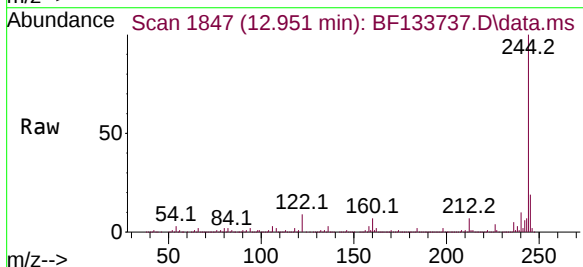
Tgt Ion:202 Resp: 94919
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 18.0 13.9 20.9

Manual Integrations
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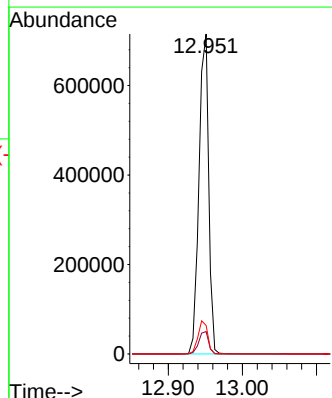
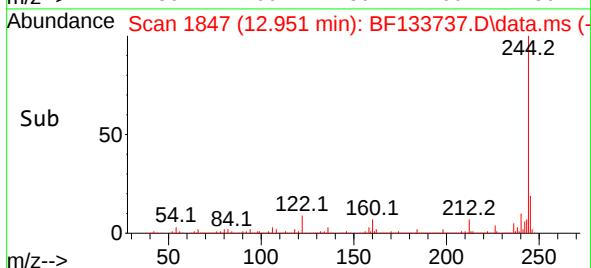
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023

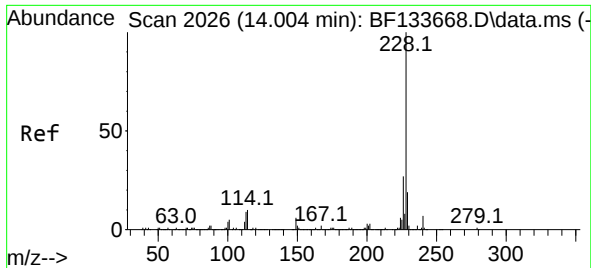


#79
Terphenyl-d14
Concen: 46.206 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29



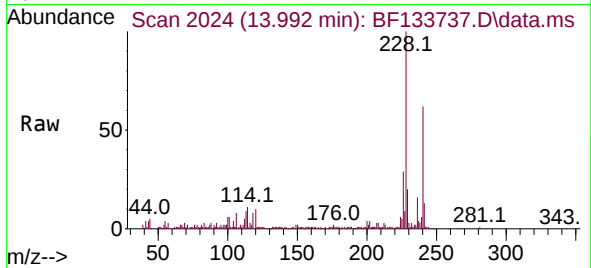
Tgt Ion:244 Resp: 646334
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 8.9 8.1 12.1





#81
Benzo(a)anthracene
Concen: 3.017 ng
RT: 13.992 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

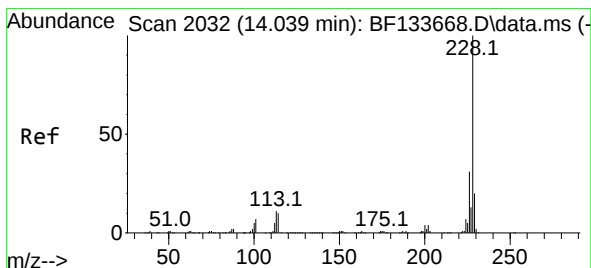
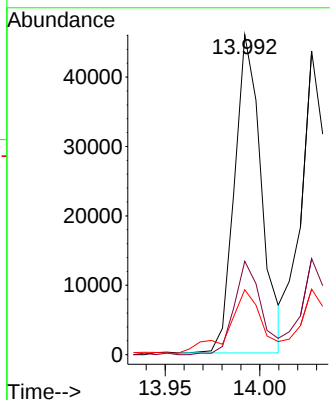
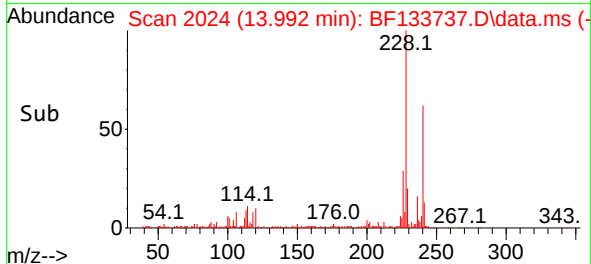
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609



Tgt Ion:228 Resp: 4516
Ion Ratio Lower Upper
228 100
226 29.2 21.7 32.5
229 20.3 15.4 23.2

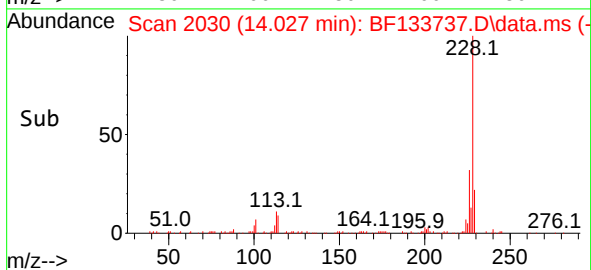
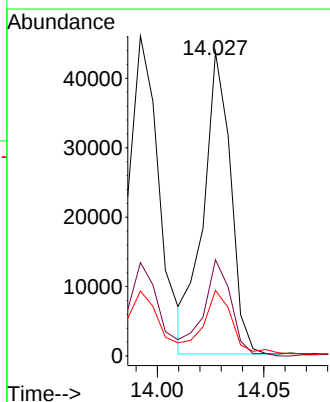
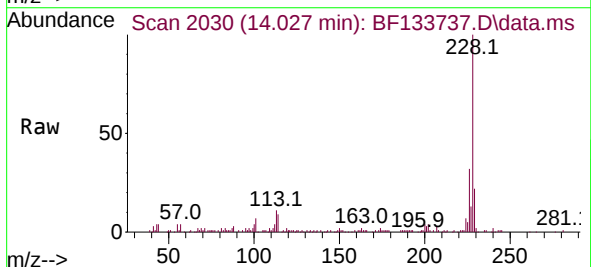
Manual Integrations
APPROVED

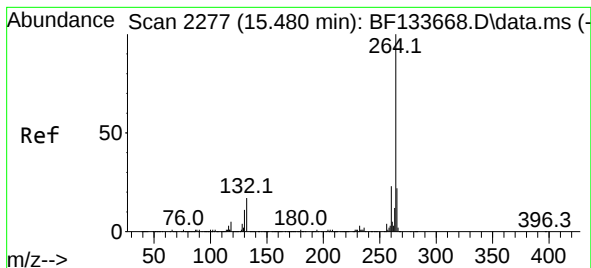
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#83
Chrysene
Concen: 2.740 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF133737.D
Acq: 13 Jun 2023 18:29

Tgt Ion:228 Resp: 38793
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133737.D

Acq: 13 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609

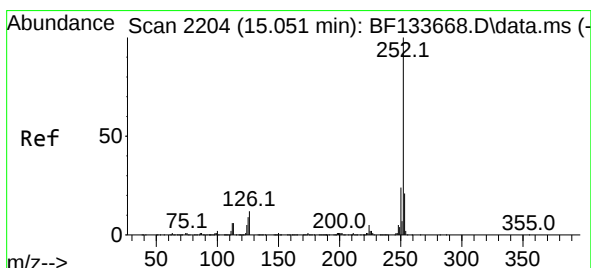
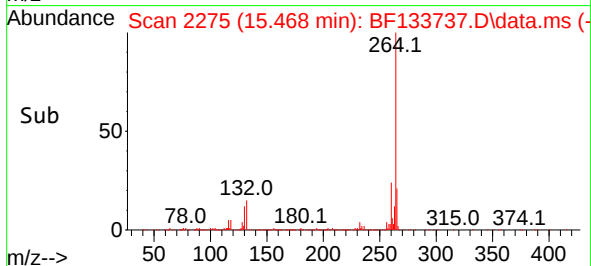
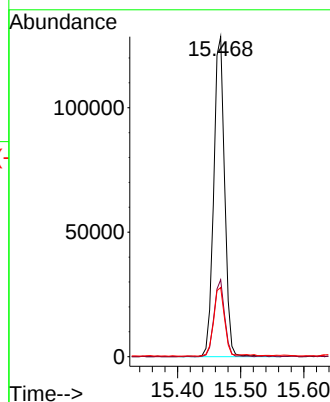
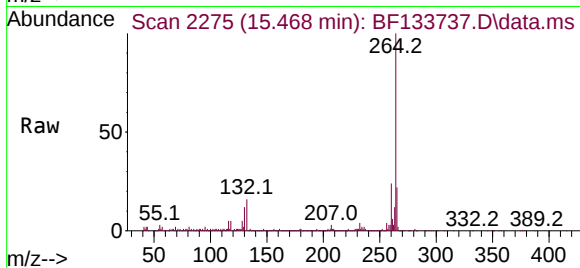
Tgt Ion:264 Resp: 154164
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.2 27.2
 265 21.6 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/14/2023

Supervised By :mohammad ahmed 06/16/2023



#88

Benzo(b)fluoranthene

Concen: 4.041 ng m

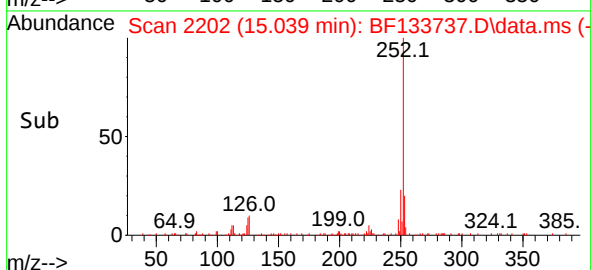
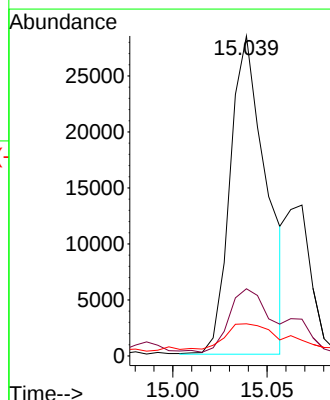
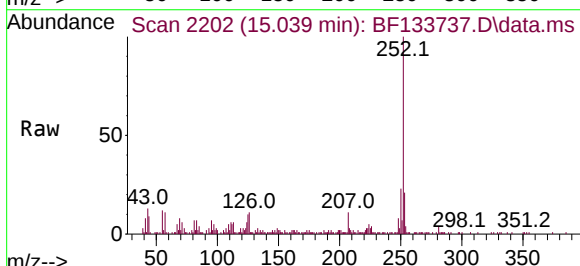
RT: 15.039 min Scan# 2202

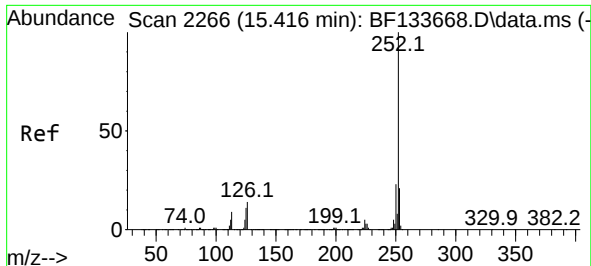
Delta R.T. -0.018 min

Lab File: BF133737.D

Acq: 13 Jun 2023 18:29

Tgt Ion:252 Resp: 37842
 Ion Ratio Lower Upper
 252 100
 253 21.0 17.0 25.6
 125 10.0 7.3 10.9





#90

Benzo(a)pyrene

Concen: 2.880 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133737.D

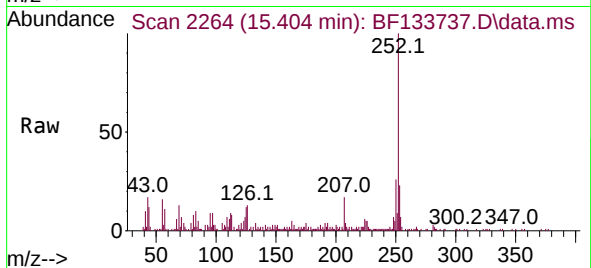
Acq: 13 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609



Tgt Ion:252	Resp:	25035
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.1 25.7
125	12.1	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/14/2023

Supervised By :mohammad ahmed 06/16/2023

