

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110822\
 Data File : BM037423.D
 Acq On : 08 Nov 2022 11:41
 Operator : CG/JU
 Sample : N5451-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022

Quant Time: Nov 08 14:48:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 14:43:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	315195	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	1256017	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	720772	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1363973	20.000	ng	0.00
76) Chrysene-d12	21.374	240	972523	20.000	ng	0.00
86) Perylene-d12	23.710	264	1017607	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2756200	151.072	ng	0.00
7) Phenol-d6	7.005	99	3552197	143.457	ng	0.00
23) Nitrobenzene-d5	8.999	82	2036220	81.792	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1157558	136.279	ng	0.00
45) 2-Fluorobiphenyl	13.087	172	4074318	75.107	ng	0.00
79) Terphenyl-d14	19.827	244	4715915	86.959	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.605	107	113092	4.541	ng	90
78) Pyrene	19.622	202	155859	2.084	ng	100
81) Benzo(a)anthracene	21.363	228	215084	3.106	ng	98
83) Chrysene	21.416	228	240859	3.611	ng	99
84) Bis(2-ethylhexyl)phtha...	21.286	149	483964	13.502	ng	99
88) Benzo(b)fluoranthene	22.998	252	282174	3.994	ng	98
89) Benzo(k)fluoranthene	23.045	252	285254m	3.958	ng	
90) Benzo(a)pyrene	23.604	252	169496	2.945	ng	97

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

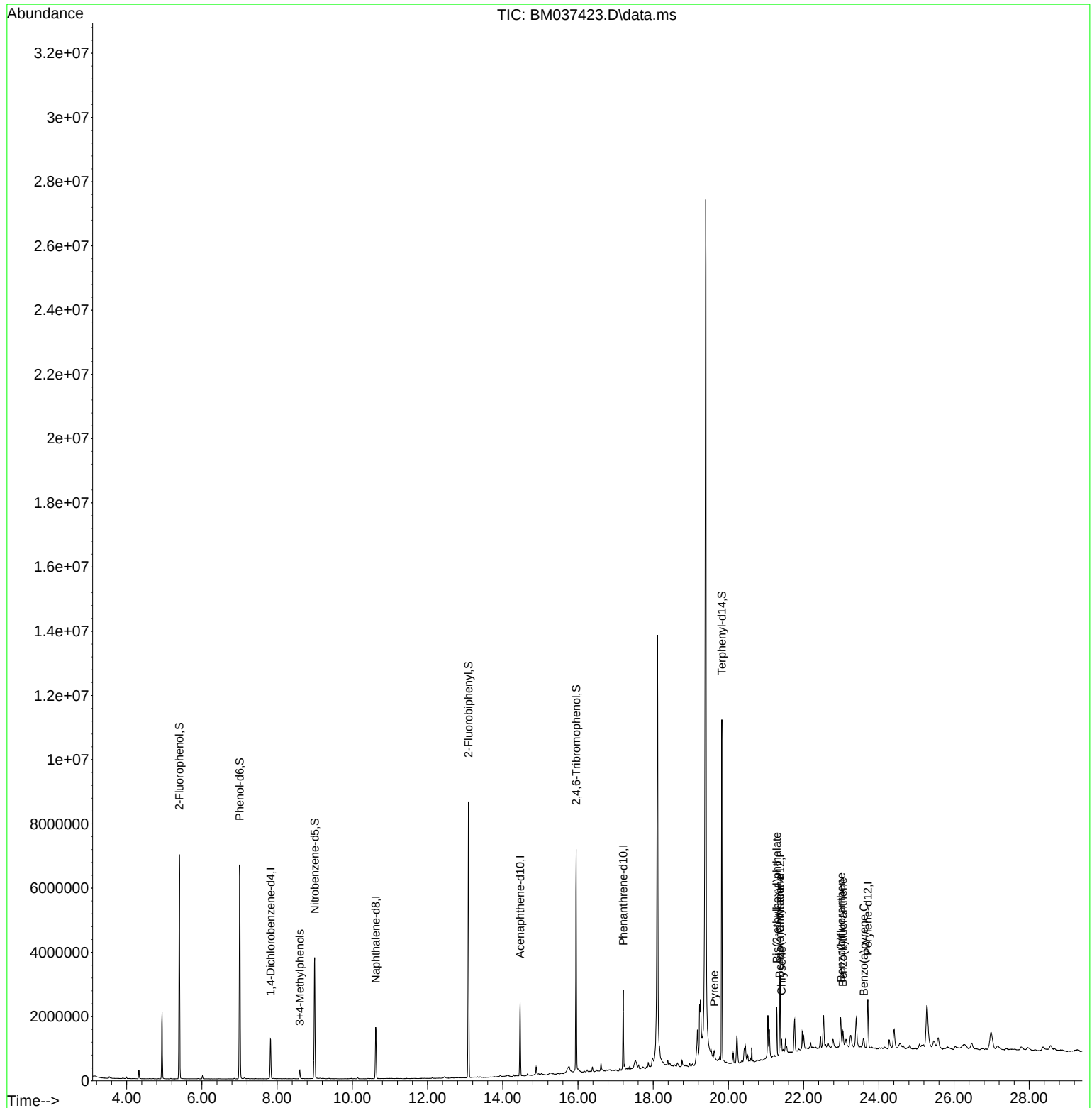
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110822\
Data File : BM037423.D
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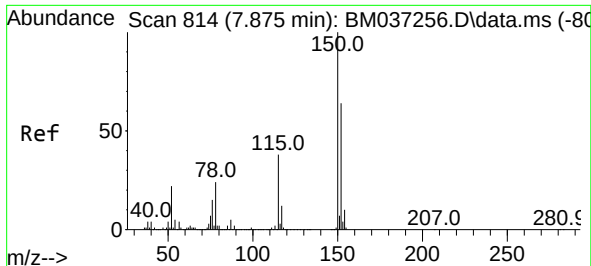
Instrument :
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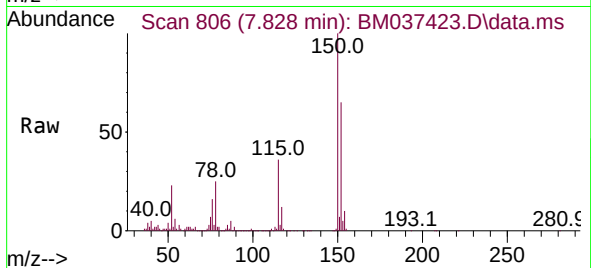
Quant Time: Nov 08 14:48:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 806
Delta R.T. 0.006 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

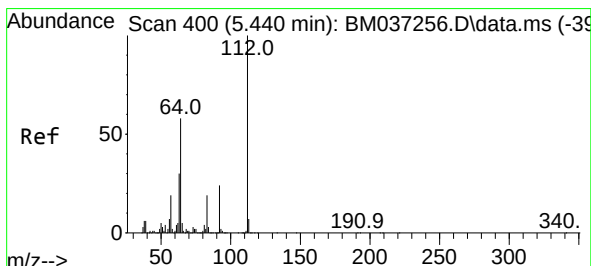
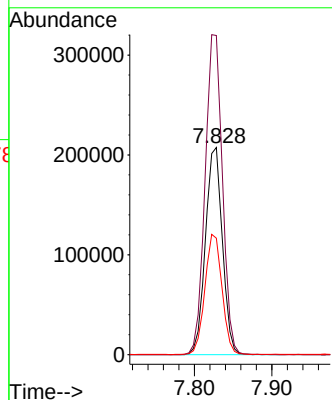
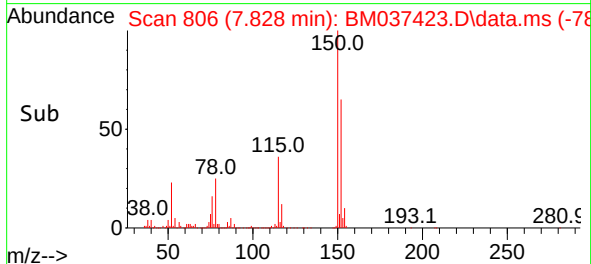
Instrument :
BNA_M
Client Sample Id :
LFR-SOIL-1103



Tgt Ion:152 Resp: 315195
Ion Ratio Lower Upper
152 100
150 154.1 124.8 187.2
115 56.2 47.0 70.4

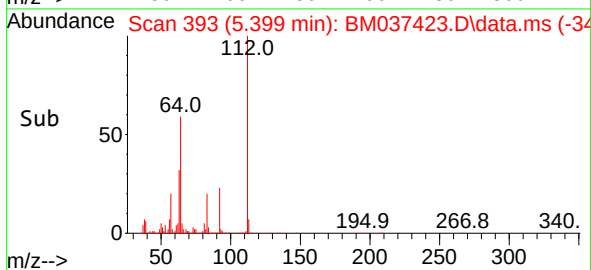
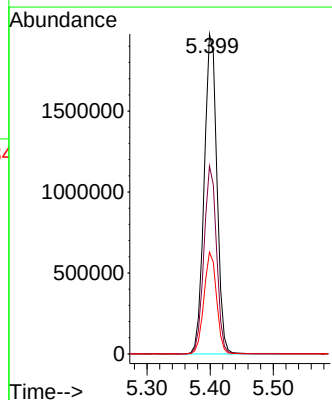
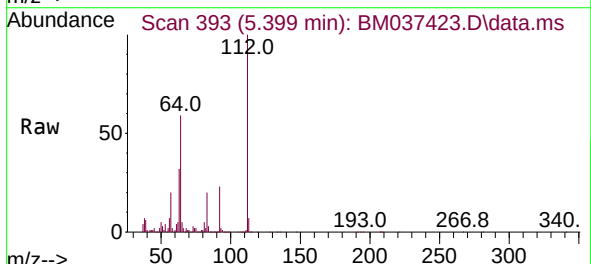
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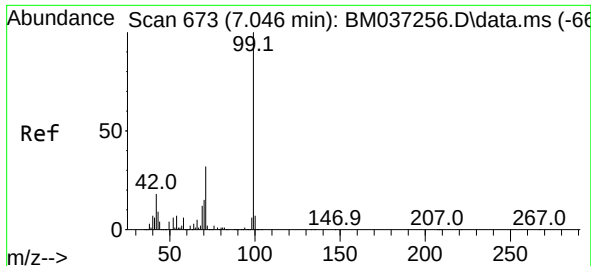
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#5
2-Fluorophenol
Concen: 151.072 ng
RT: 5.399 min Scan# 393
Delta R.T. 0.006 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

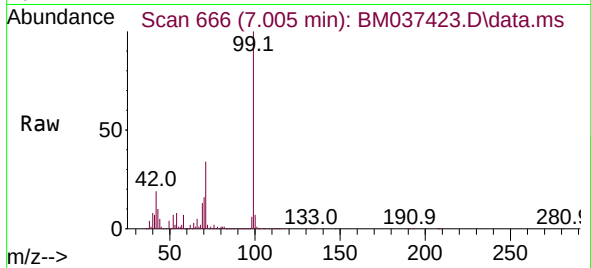
Tgt Ion:112 Resp: 2756200
Ion Ratio Lower Upper
112 100
64 58.7 46.8 70.2
63 31.8 24.4 36.6





#7
Phenol-d6
Concen: 143.457 ng
RT: 7.005 min Scan# 60
Delta R.T. 0.000 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

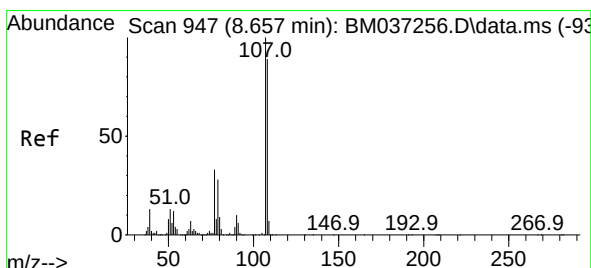
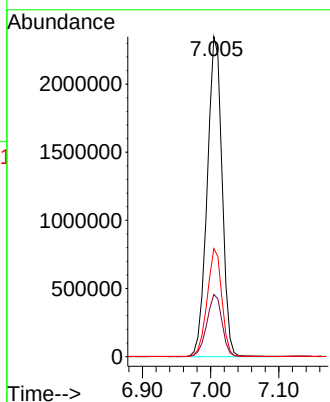
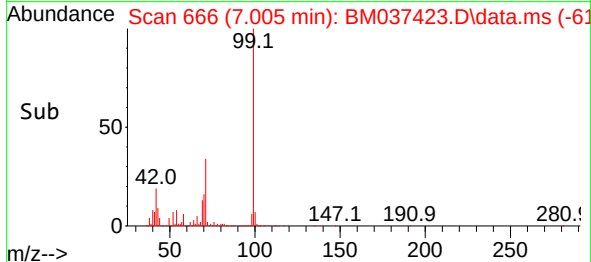
Instrument :
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ClientSampleId :
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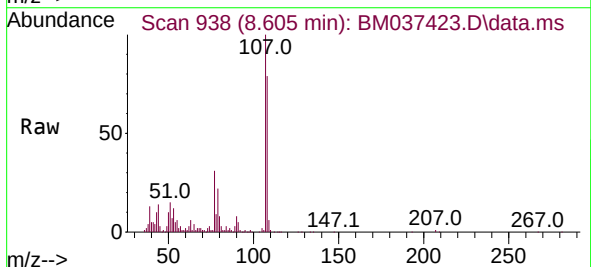
Tgt Ion: 99 Resp: 355219
Ion Ratio Lower Upper
99 100
42 19.4 14.8 22.2
71 33.8 25.6 38.4

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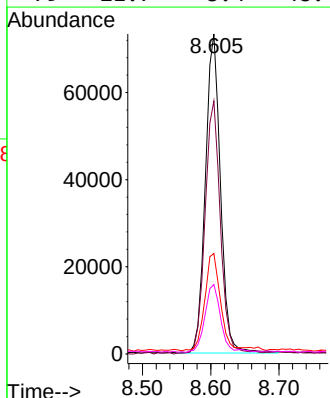
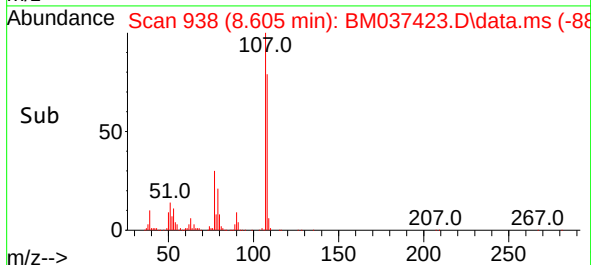
Reviewed By :Christian Giraldo 11/09/2022
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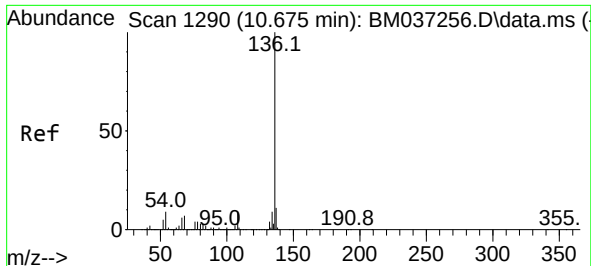


#20
3+4-Methylphenols
Concen: 4.541 ng
RT: 8.605 min Scan# 938
Delta R.T. -0.005 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41



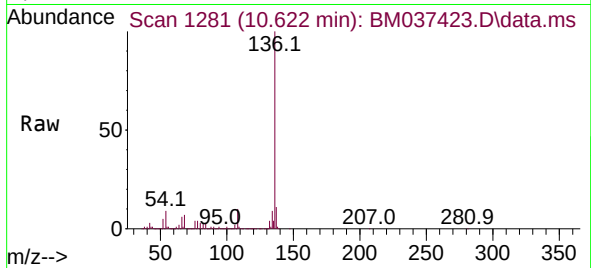
Tgt Ion:107 Resp: 113092
Ion Ratio Lower Upper
107 100
108 79.0 69.4 109.4
77 31.4 12.8 52.8
79 21.7 8.4 48.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

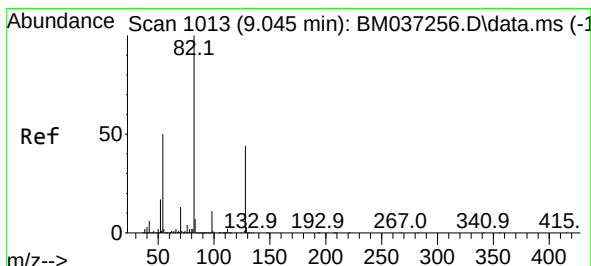
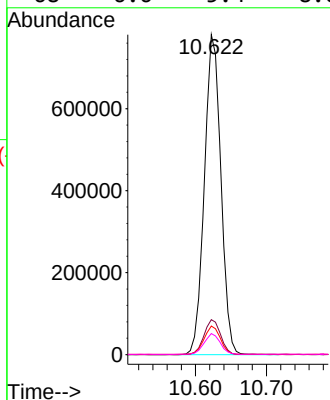
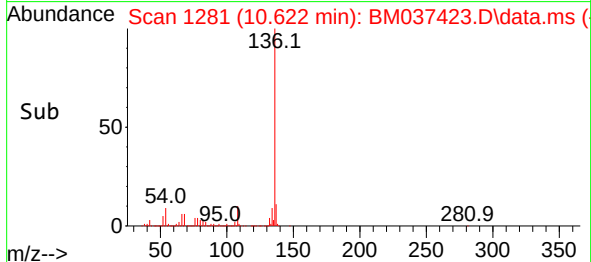
Instrument :
BNA_M
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Tgt Ion:136 Resp: 1256017
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.9 7.0 10.4
68 6.6 5.4 8.0

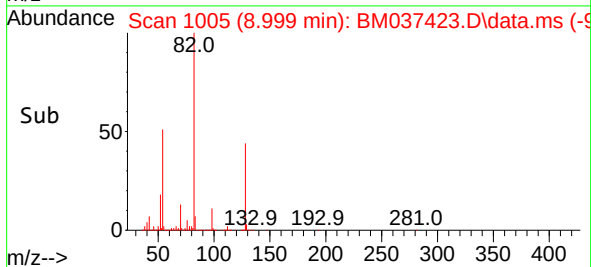
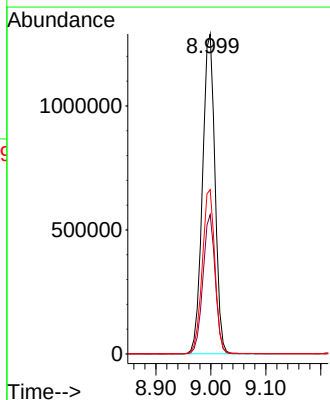
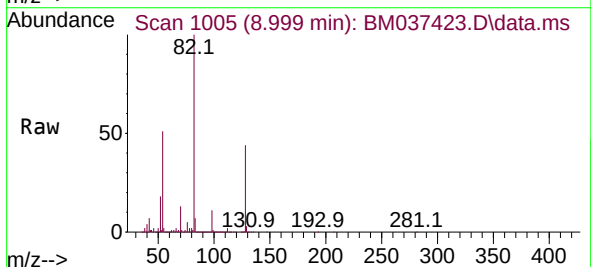
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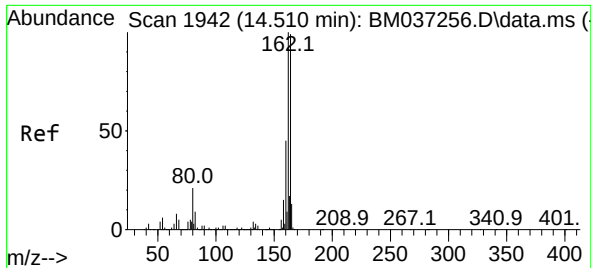
Reviewed By :Christian Giraldo 11/09/2022
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#23
Nitrobenzene-d5
Concen: 81.792 ng
RT: 8.999 min Scan# 1005
Delta R.T. 0.001 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

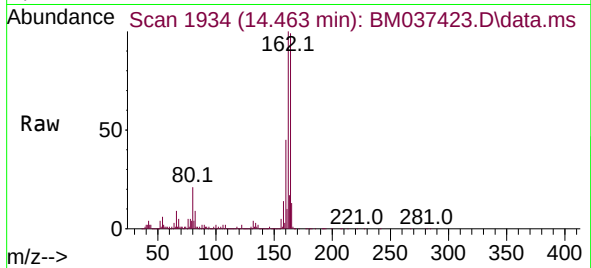
Tgt Ion: 82 Resp: 2036220
Ion Ratio Lower Upper
82 100
128 43.5 35.2 52.8
54 51.3 40.4 60.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1942
Delta R.T. 0.001 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

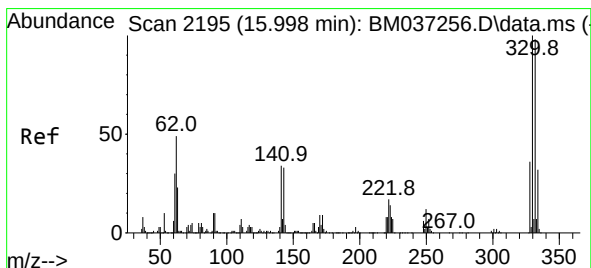
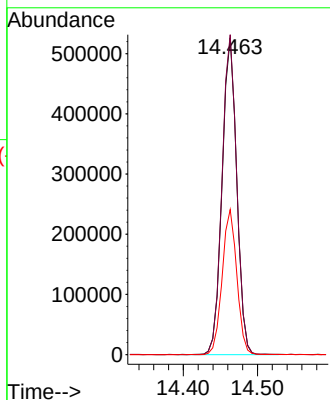
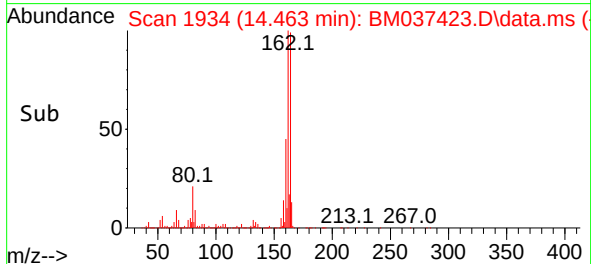
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103



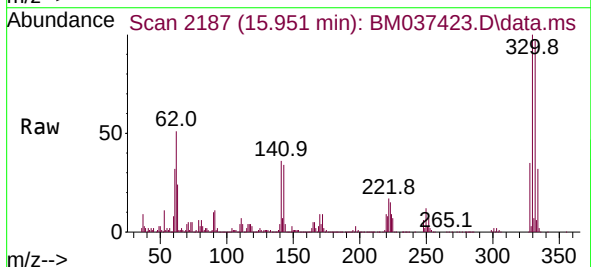
Tgt Ion:164 Resp: 720772
Ion Ratio Lower Upper
164 100
162 101.0 80.6 120.8
160 45.8 36.2 54.4

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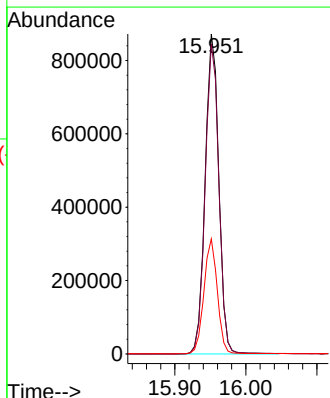
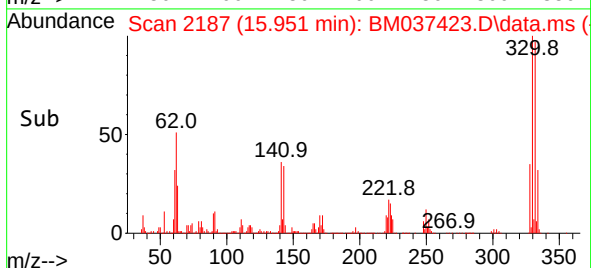
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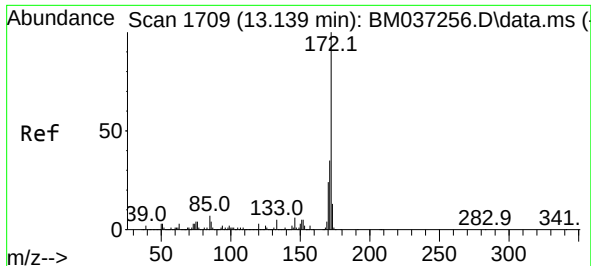


#42
2,4,6-Tribromophenol
Concen: 136.279 ng
RT: 15.951 min Scan# 2187
Delta R.T. -0.005 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41



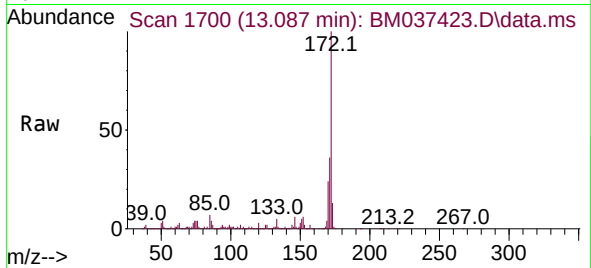
Tgt Ion:330 Resp: 1157558
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 35.2 27.5 41.3





#45
2-Fluorobiphenyl
Concen: 75.107 ng
RT: 13.087 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

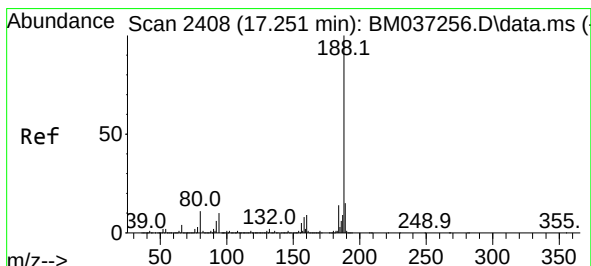
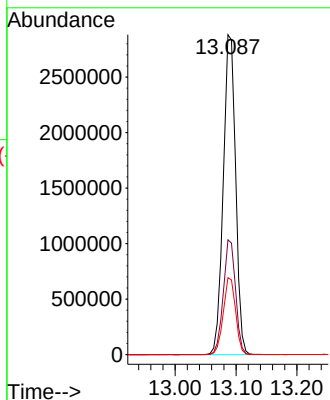
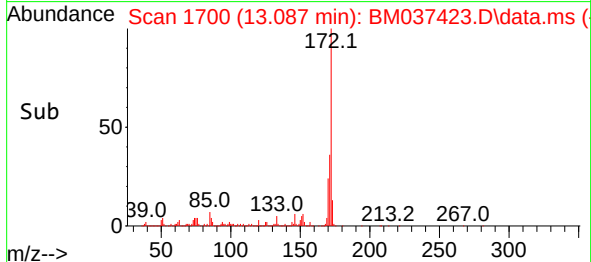
Instrument :
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LFR-SOIL-1103



Tgt Ion:172 Resp: 4074318
Ion Ratio Lower Upper
172 100
171 35.9 28.1 42.1
170 24.0 19.0 28.4

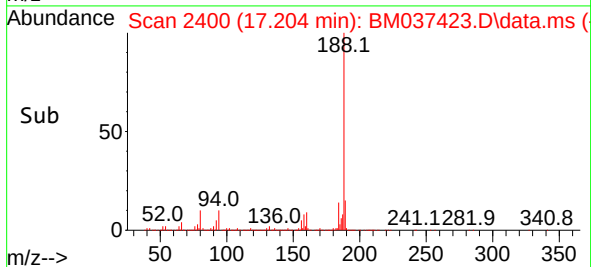
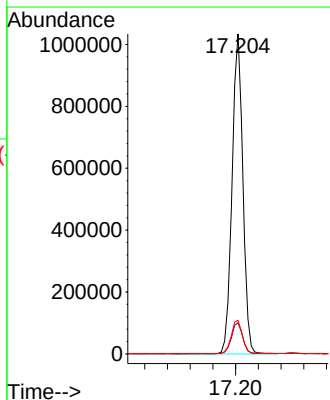
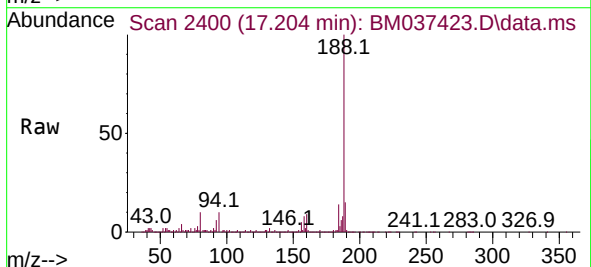
Manual Integrations
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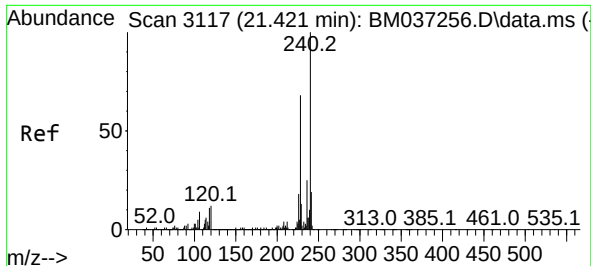
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion:188 Resp: 1363973
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.5 8.5 12.7





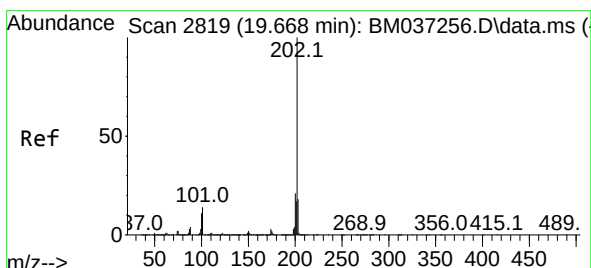
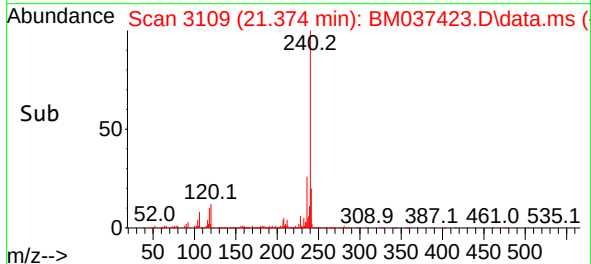
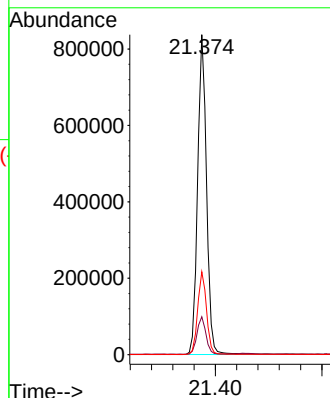
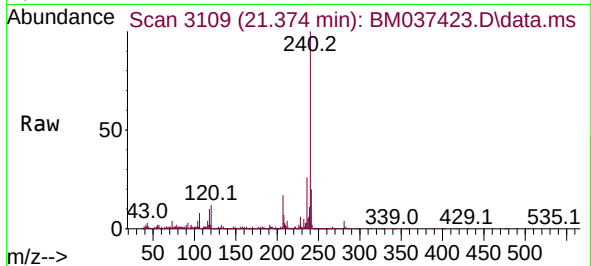
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3117
Delta R.T. -0.005 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103

Tgt Ion:240 Resp: 972523
Ion Ratio Lower Upper
240 100
120 11.8 9.9 14.9
236 25.9 20.3 30.5

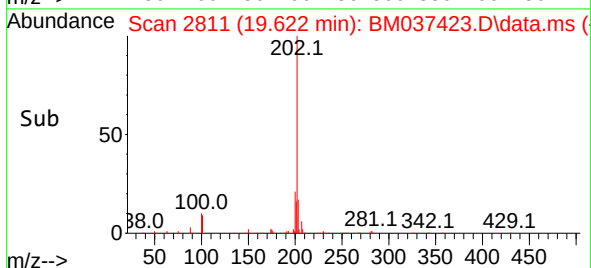
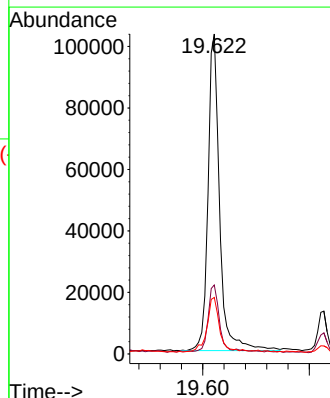
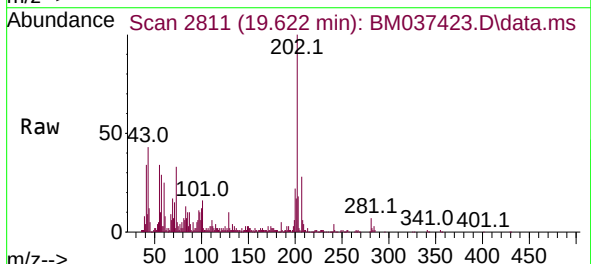
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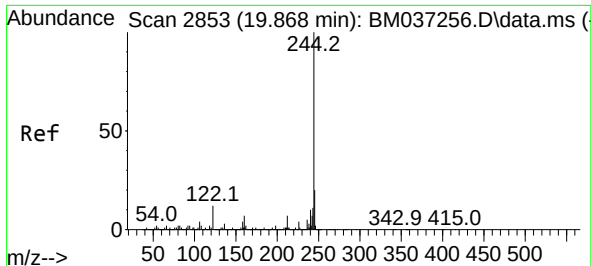
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#78
Pyrene
Concen: 2.084 ng
RT: 19.622 min Scan# 2811
Delta R.T. 0.000 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion:202 Resp: 155859
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.6 14.1 21.1





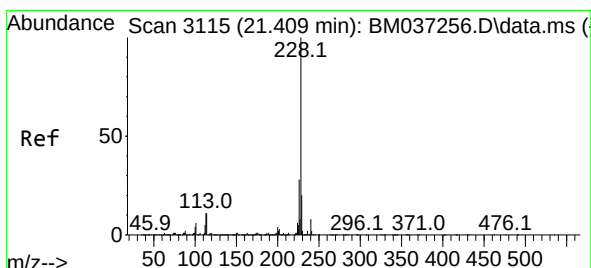
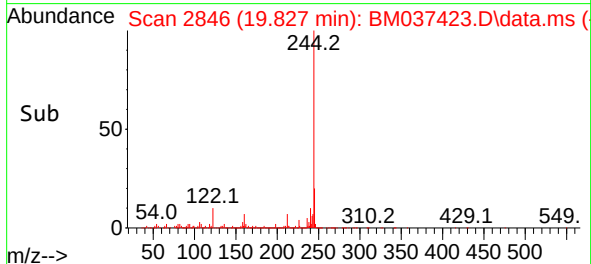
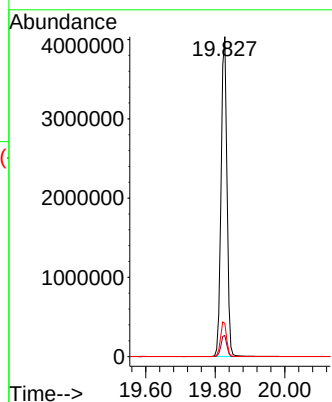
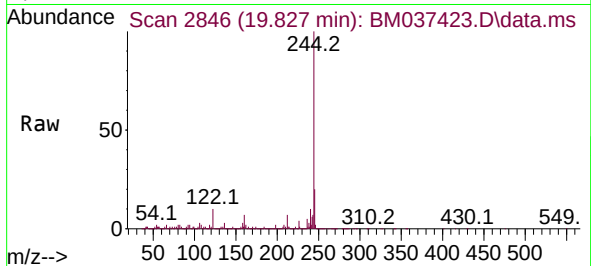
#79
 Terphenyl-d14
 Concen: 86.959 ng
 RT: 19.827 min Scan# 2853
 Delta R.T. 0.000 min
 Lab File: BM037423.D
 Acq: 08 Nov 2022 11:41

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103

Tgt Ion:244 Resp: 4715915
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.4 9.4 14.2

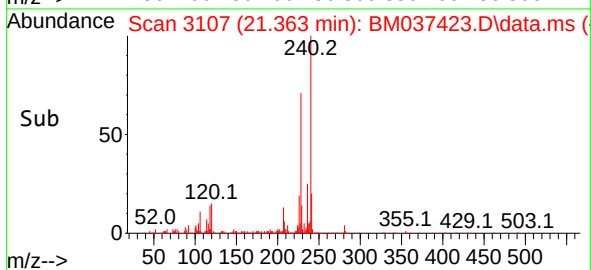
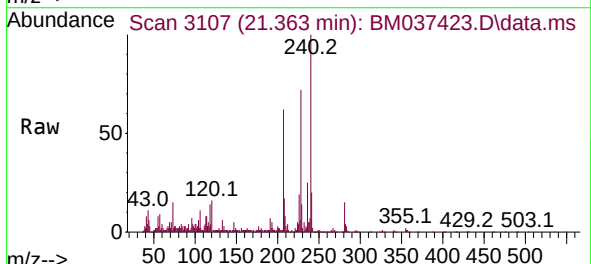
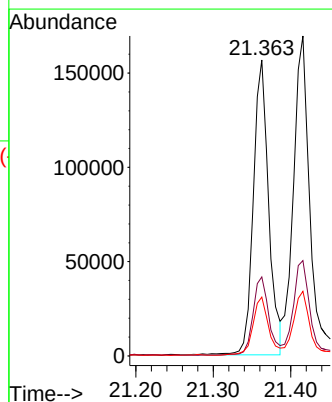
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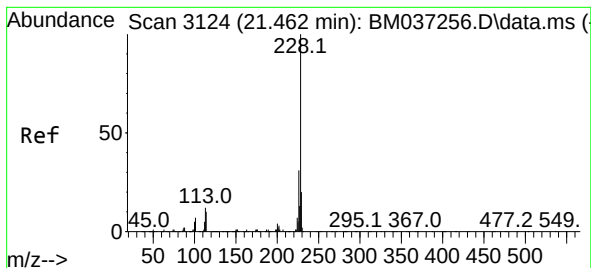
Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022



#81
 Benzo(a)anthracene
 Concen: 3.106 ng
 RT: 21.363 min Scan# 3107
 Delta R.T. 0.001 min
 Lab File: BM037423.D
 Acq: 08 Nov 2022 11:41

Tgt Ion:228 Resp: 215084
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.3 33.5
 229 19.9 16.2 24.2





#83

Chrysene

Concen: 3.611 ng

RT: 21.416 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103

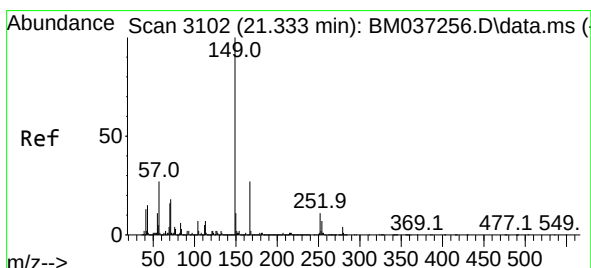
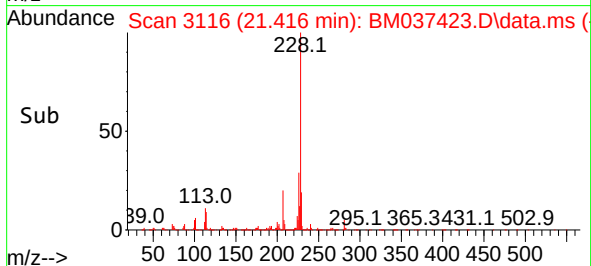
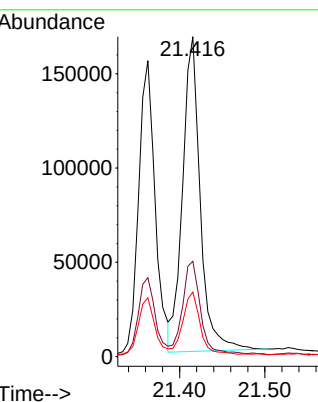
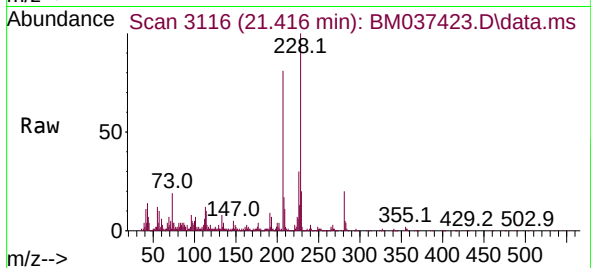
Tgt Ion:	228	Resp:	240859
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.4	36.6
229	20.2	16.0	24.0

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 13.502 ng

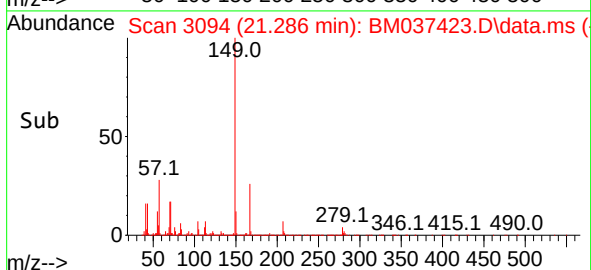
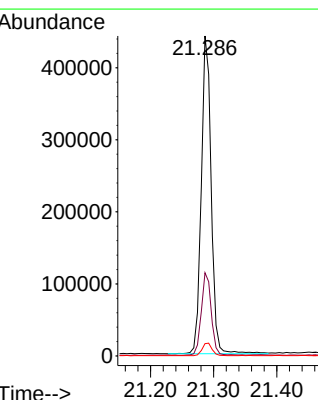
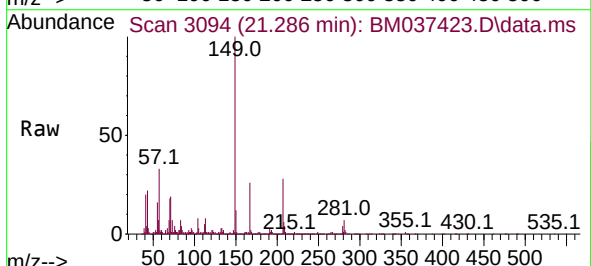
RT: 21.286 min Scan# 3094

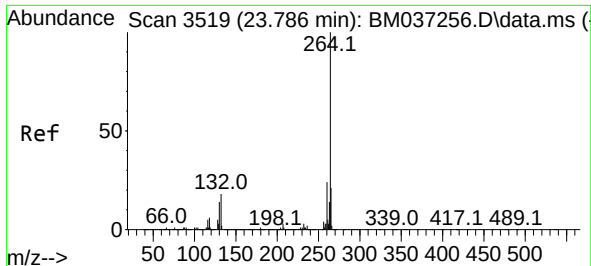
Delta R.T. -0.005 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

Tgt Ion:	149	Resp:	483964
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.2	31.8
279	3.8	3.1	4.7





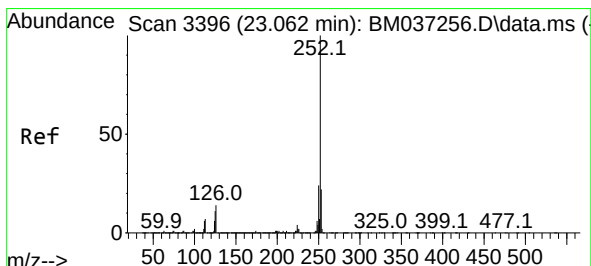
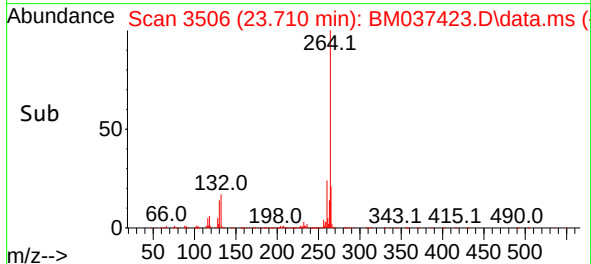
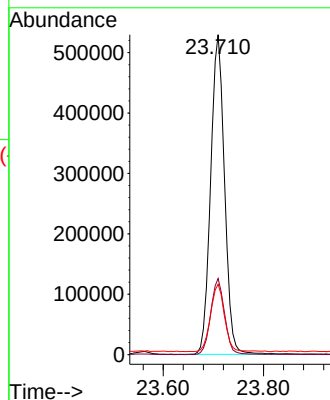
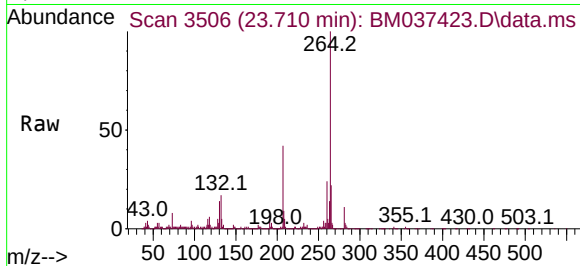
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.710 min Scan# 3519
 Delta R.T. 0.000 min
 Lab File: BM037423.D
 Acq: 08 Nov 2022 11:41

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103

Tgt Ion:264 Resp: 101760
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.9 28.3
 265 22.0 17.7 26.5

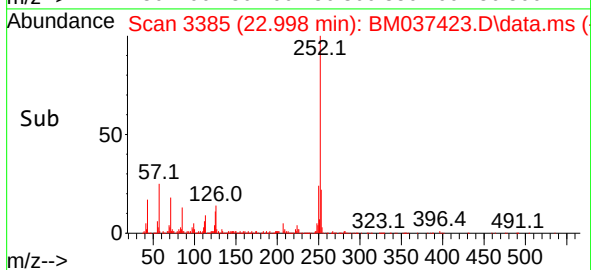
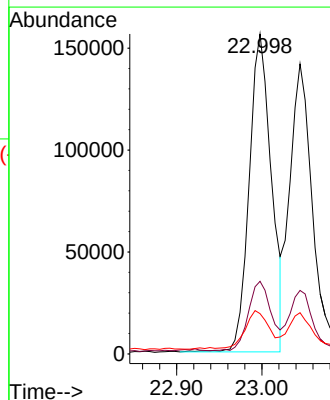
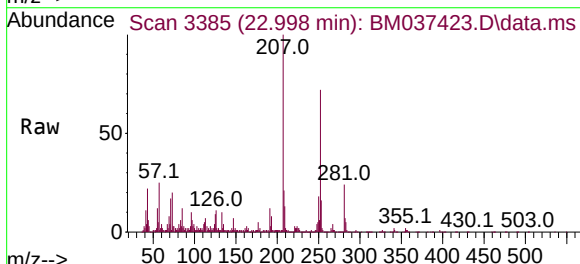
Manual Integrations
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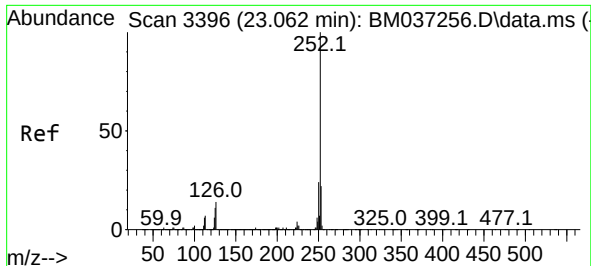
Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022



#88
 Benzo(b)fluoranthene
 Concen: 3.994 ng
 RT: 22.998 min Scan# 3385
 Delta R.T. -0.005 min
 Lab File: BM037423.D
 Acq: 08 Nov 2022 11:41

Tgt Ion:252 Resp: 282174
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.6
 125 12.6 9.1 13.7





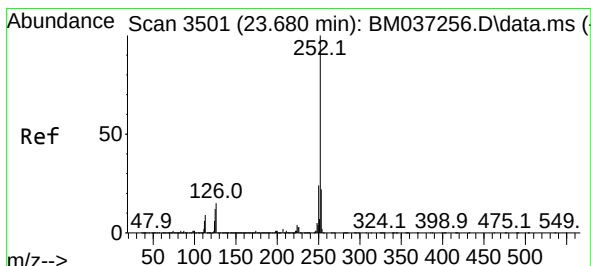
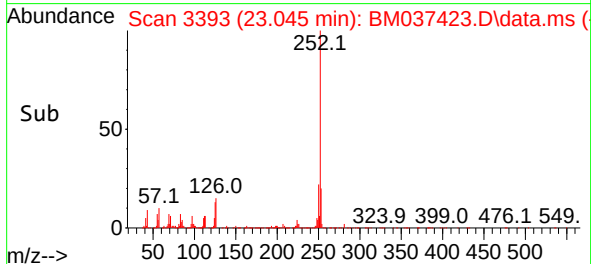
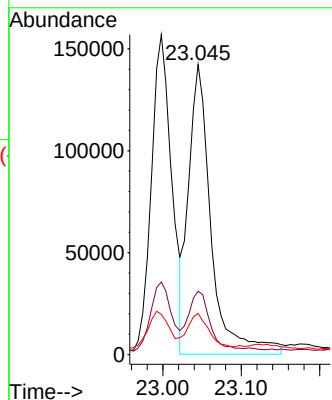
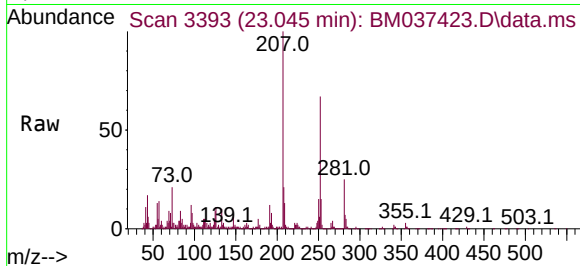
#89
Benzo(k)fluoranthene
Concen: 3.958 ng m
RT: 23.045 min Scan# 33
Delta R.T. -0.005 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103

Tgt Ion:252 Resp: 285254
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 14.2 9.1 13.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#90
Benzo(a)pyrene
Concen: 2.945 ng
RT: 23.604 min Scan# 3488
Delta R.T. -0.005 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion:252 Resp: 169496
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 14.0 9.9 14.9

