

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039564.D
 Acq On : 21 Apr 2023 22:52
 Operator : CG/JU
 Sample : 02416-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NATIONAL-GRID-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 22 01:48:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	169595	20.000	ng	0.00
21) Naphthalene-d8	10.624	136	699903	20.000	ng	0.00
39) Acenaphthene-d10	14.471	164	415226	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	832036	20.000	ng	0.00
76) Chrysene-d12	21.418	240	718476	20.000	ng	0.00
86) Perylene-d12	23.777	264	791477	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	977601	94.179	ng	0.00
7) Phenol-d6	7.001	99	1399106	91.714	ng	0.00
23) Nitrobenzene-d5	8.989	82	899624	62.945	ng	0.00
42) 2,4,6-Tribromophenol	15.971	330	311301	57.775	ng	0.00
45) 2-Fluorobiphenyl	13.095	172	1907301	63.556	ng	0.00
79) Terphenyl-d14	19.853	244	2656957	66.714	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.195	152	103609	2.547	ng	99
71) Phenanthrene	17.265	178	494888	10.969	ng	99
72) Anthracene	17.359	178	135927	2.937	ng	98
75) Fluoranthene	19.289	202	658942	12.038	ng	100
78) Pyrene	19.653	202	770488	14.582	ng	100
81) Benzo(a)anthracene	21.400	228	404365	7.925	ng	97
83) Chrysene	21.453	228	405724	8.204	ng	96
87) Indeno(1,2,3-cd)pyrene	26.218	276	260921	4.486	ng	96
88) Benzo(b)fluoranthene	23.059	252	517358m	10.721	ng	
89) Benzo(k)fluoranthene	23.100	252	153491m	3.042	ng	
90) Benzo(a)pyrene	23.671	252	391454	8.162	ng	# 96
92) Benzo(g,h,i)perylene	26.976	276	280262	5.849	ng	100

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

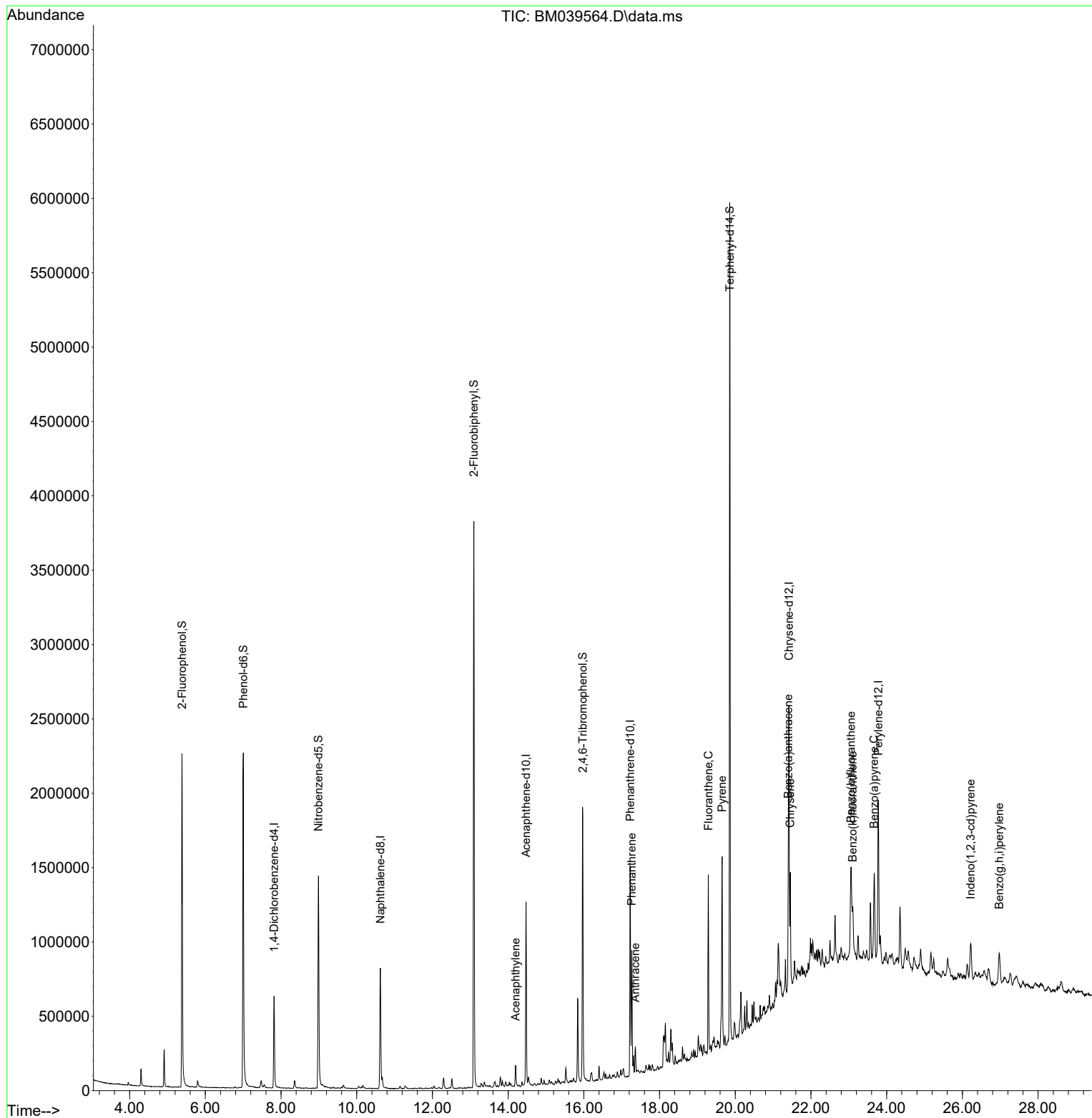
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
Data File : BM039564.D
Acq On : 21 Apr 2023 22:52
Operator : CG/JU
Sample : 02416-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

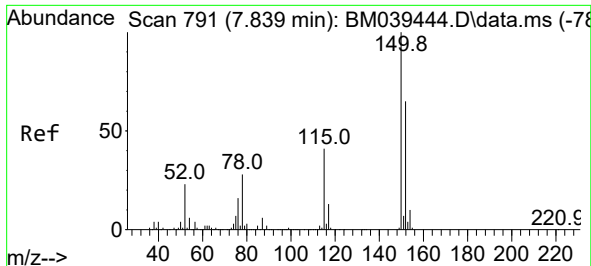
Instrument :
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Quant Time: Apr 22 01:48:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
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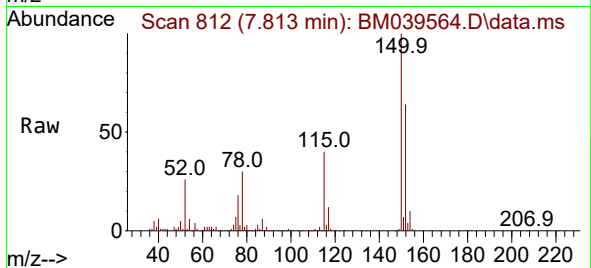
Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.813 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

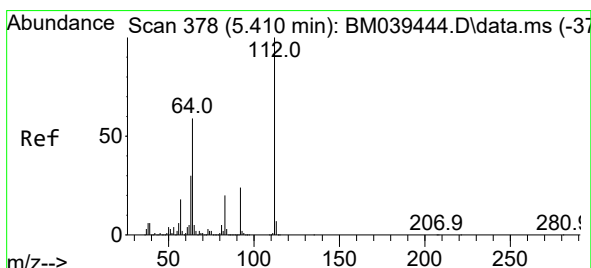
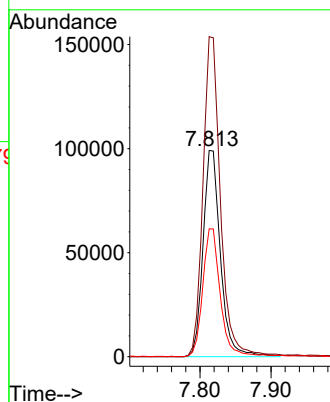
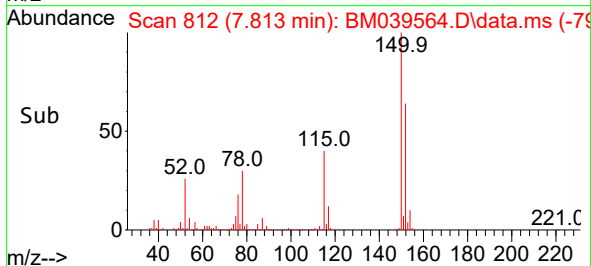
Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP



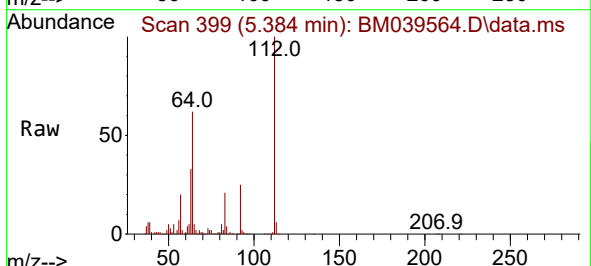
Tgt Ion:152 Resp: 16959
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.4
115 62.0 49.9 74.9

Manual Integrations
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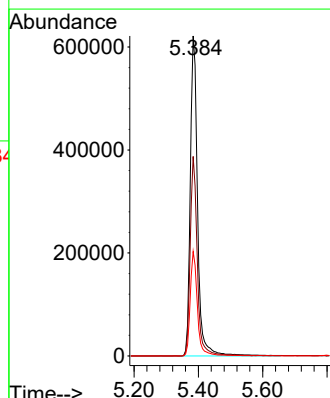
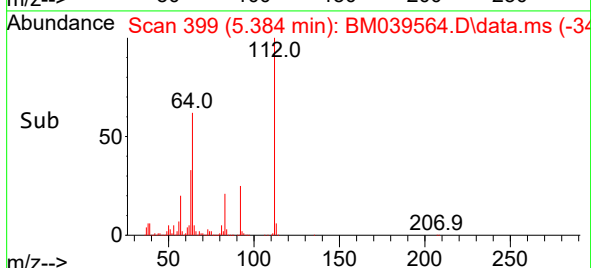
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

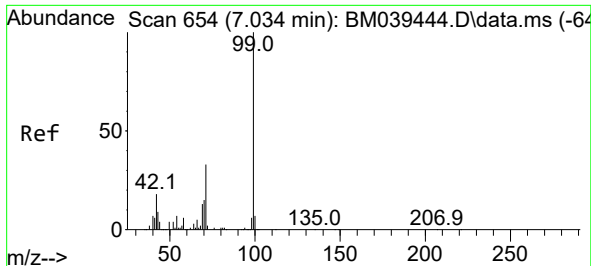


#5
2-Fluorophenol
Concen: 94.179 ng
RT: 5.384 min Scan# 399
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52



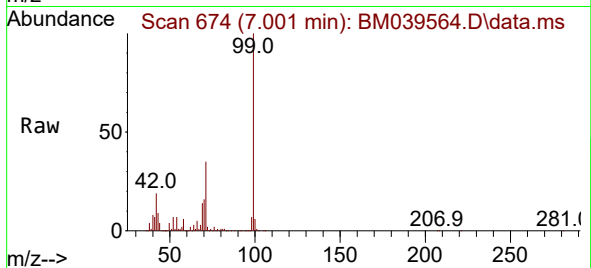
Tgt Ion:112 Resp: 977601
Ion Ratio Lower Upper
112 100
64 62.4 47.0 70.4
63 32.7 24.2 36.4





#7
Phenol-d6
Concen: 91.714 ng
RT: 7.001 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

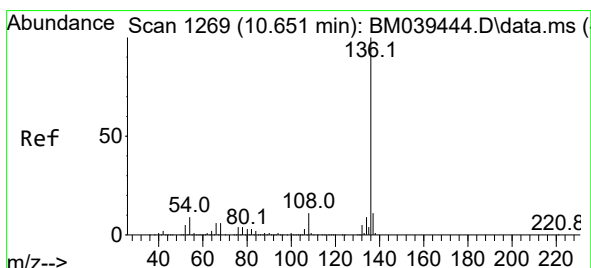
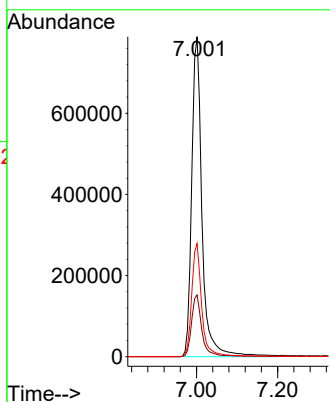
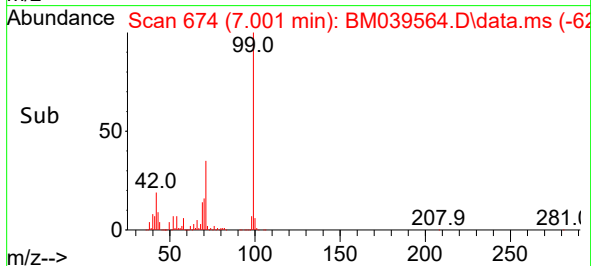
Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP



Tgt Ion: 99 Resp: 1399100
Ion Ratio Lower Upper
99 100
42 19.3 14.2 21.4
71 35.4 26.8 40.2

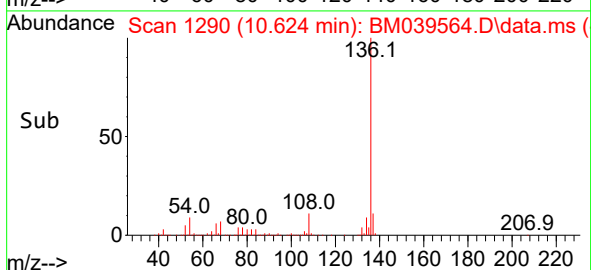
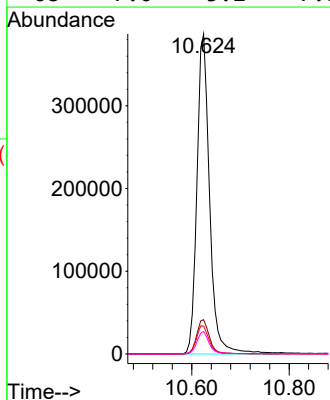
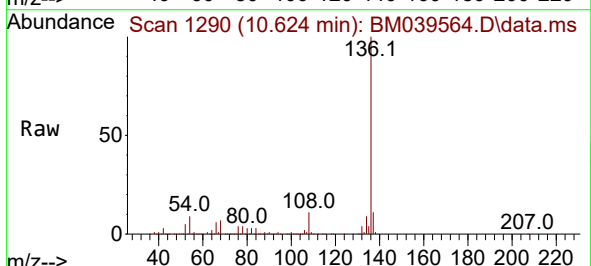
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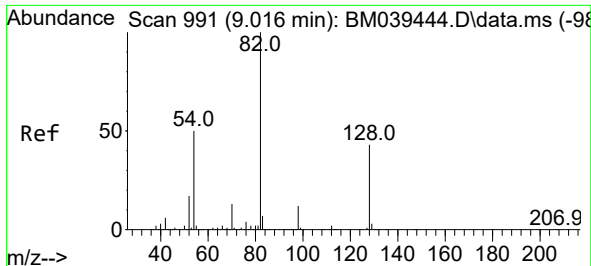
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.624 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

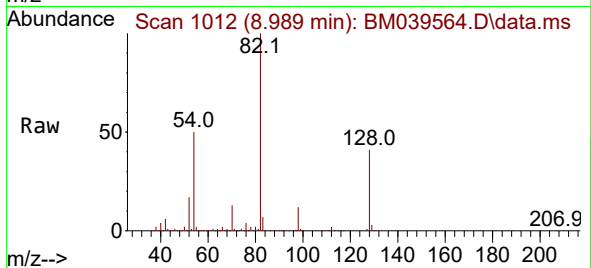
Tgt Ion:136 Resp: 699903
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.7 6.9 10.3
68 7.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 62.945 ng
RT: 8.989 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

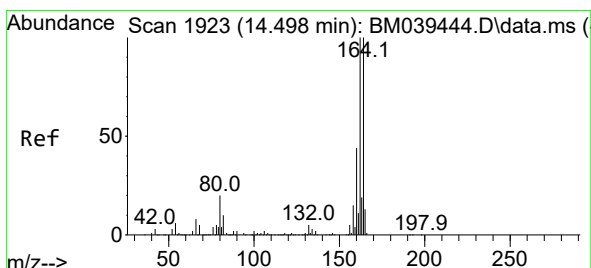
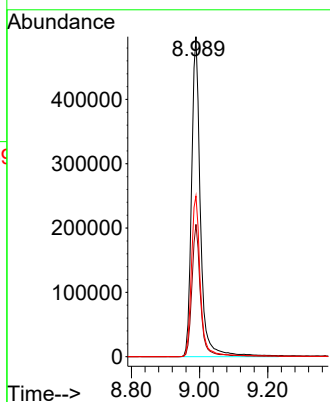
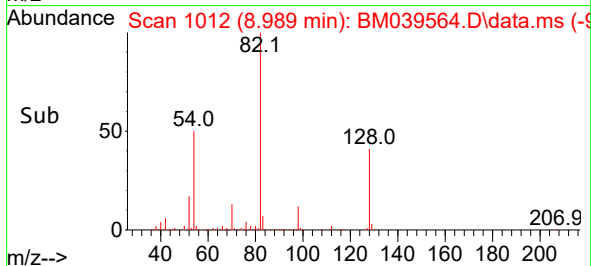
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 82 Resp: 899624
Ion Ratio Lower Upper
82 100
128 41.4 34.2 51.2
54 50.2 39.7 59.5

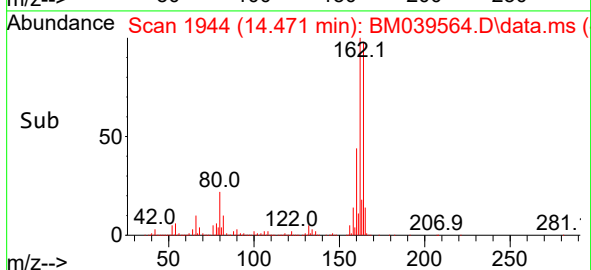
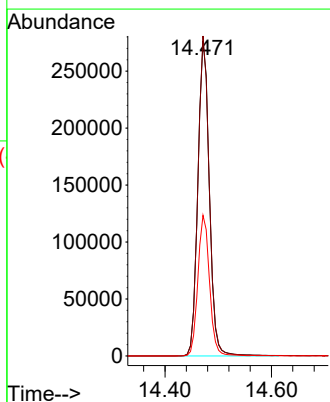
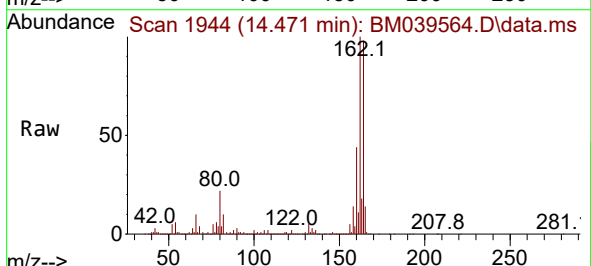
Manual Integrations
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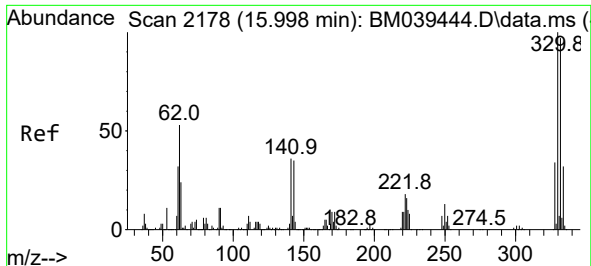
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.471 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

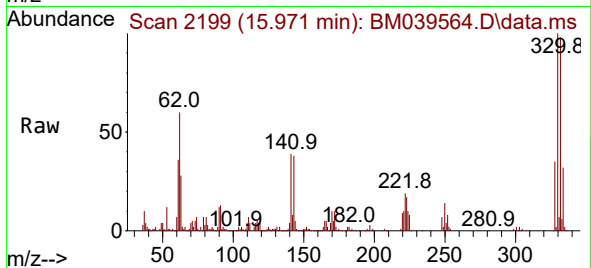
Tgt Ion:164 Resp: 415226
Ion Ratio Lower Upper
164 100
162 101.6 79.8 119.8
160 44.7 35.0 52.4





#42
2,4,6-Tribromophenol
Concen: 57.775 ng
RT: 15.971 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

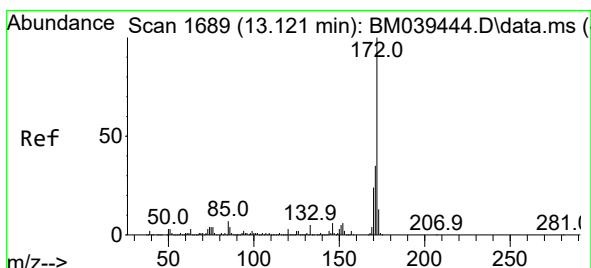
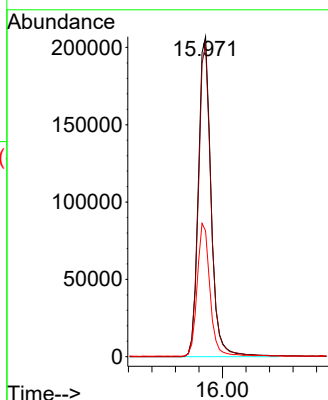
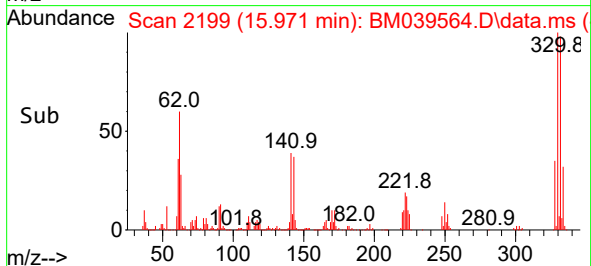
Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP



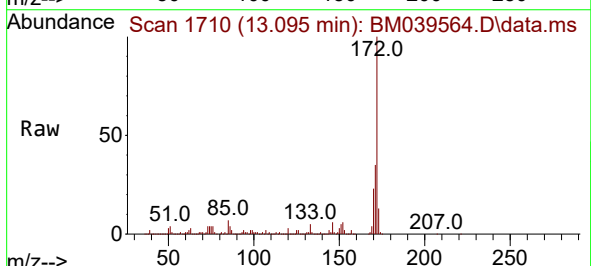
Tgt Ion: 330 Resp: 31130
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.2
141 41.3 31.0 46.6

Manual Integrations
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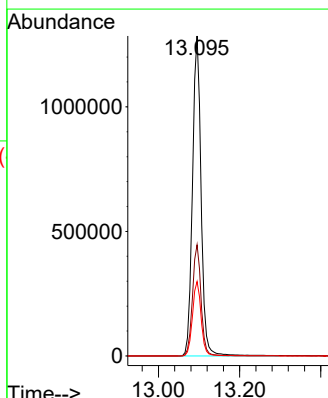
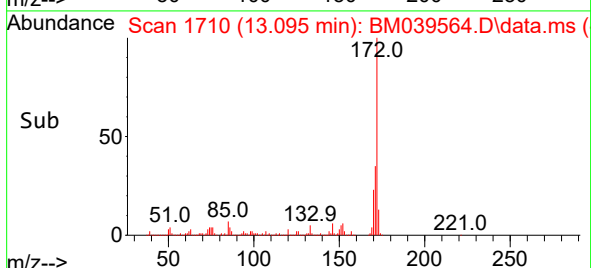
Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023

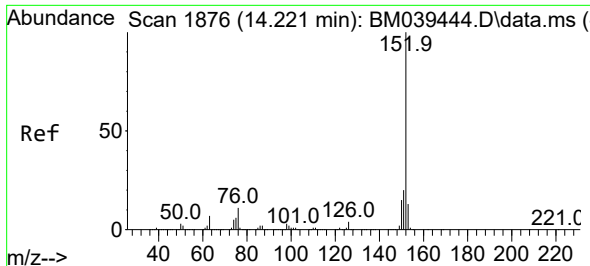


#45
2-Fluorobiphenyl
Concen: 63.556 ng
RT: 13.095 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52



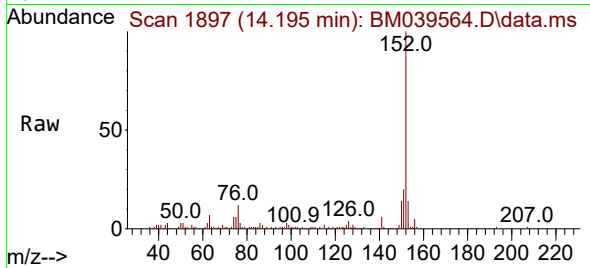
Tgt Ion: 172 Resp: 1907301
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.3 19.0 28.4





#49
Acenaphthylene
Concen: 2.547 ng
RT: 14.195 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

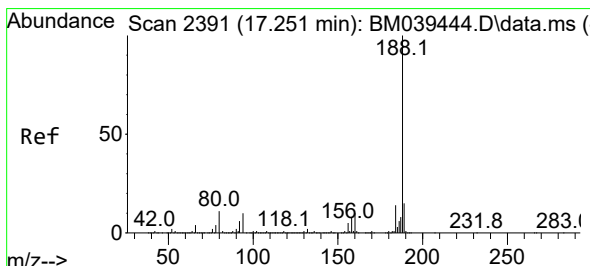
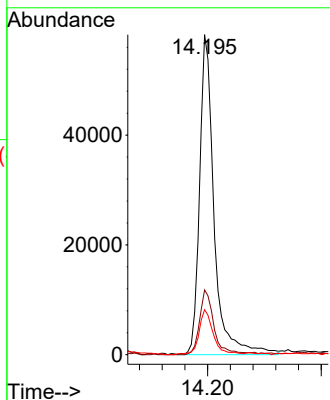
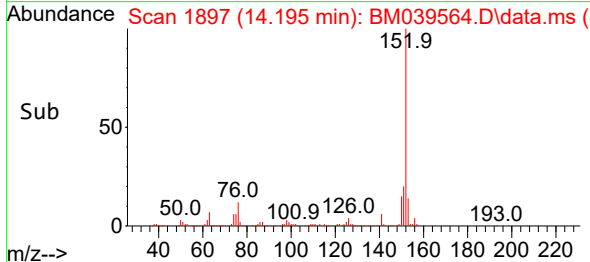
Instrument :
BNA_M
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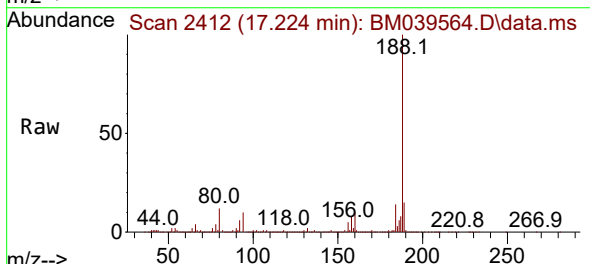
Tgt Ion:152 Resp: 103609
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 14.0 10.6 15.8

Manual Integrations
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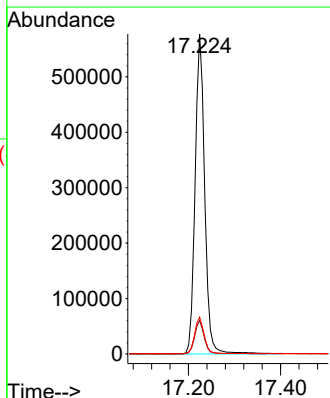
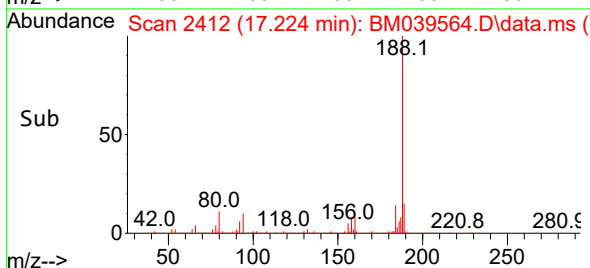
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

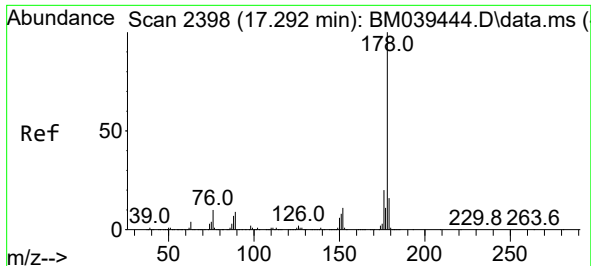


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52



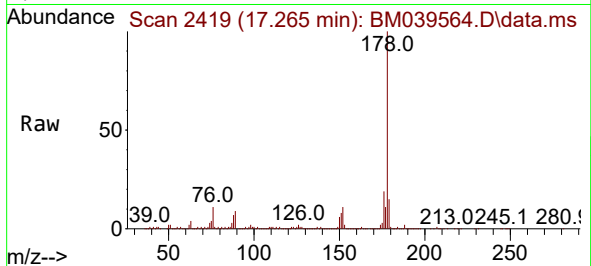
Tgt Ion:188 Resp: 832036
Ion Ratio Lower Upper
188 100
94 10.4 7.9 11.9
80 11.5 8.9 13.3





#71
Phenanthrene
Concen: 10.969 ng
RT: 17.265 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

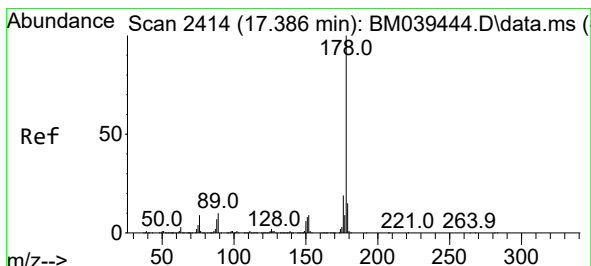
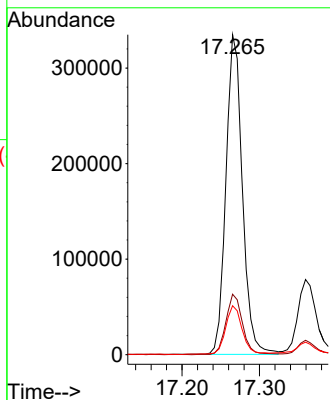
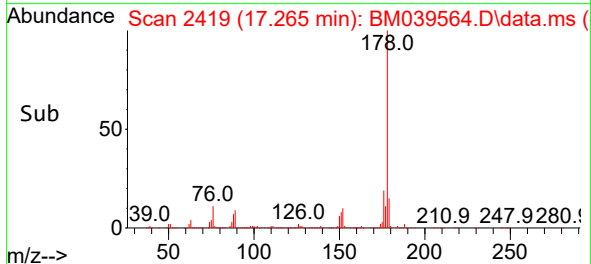
Instrument :
BNA_M
ClientSampleId :
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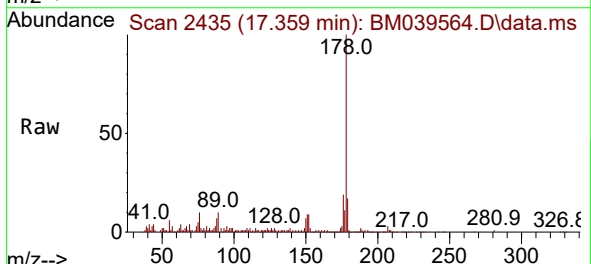
Tgt Ion:178 Resp: 49488
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.3 12.5 18.7

Manual Integrations
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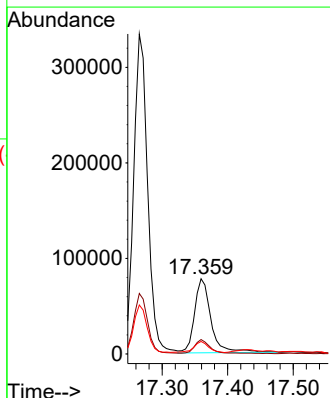
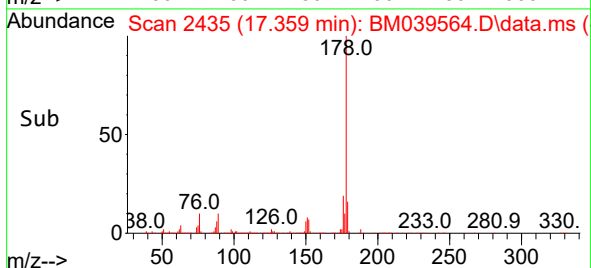
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

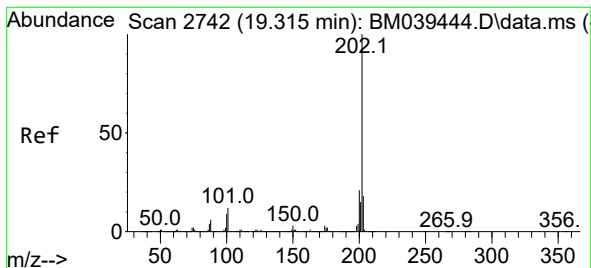


#72
Anthracene
Concen: 2.937 ng
RT: 17.359 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52



Tgt Ion:178 Resp: 135927
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 16.6 12.2 18.4





#75

Fluoranthene

Concen: 12.038 ng

RT: 19.289 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039564.D

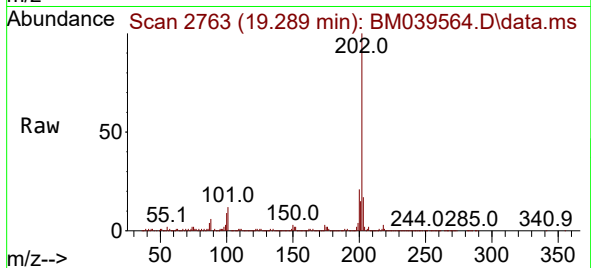
Acq: 21 Apr 2023 22:52

Instrument :

BNA_M

ClientSampleId :

NATIONAL-GRID-COMP



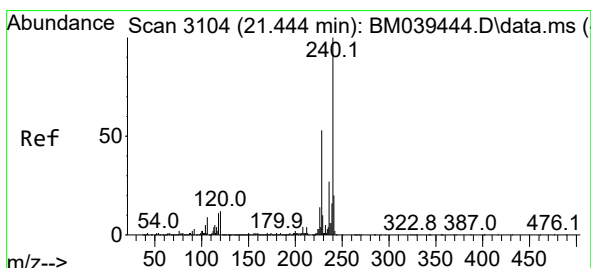
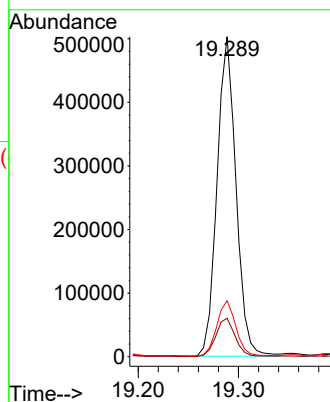
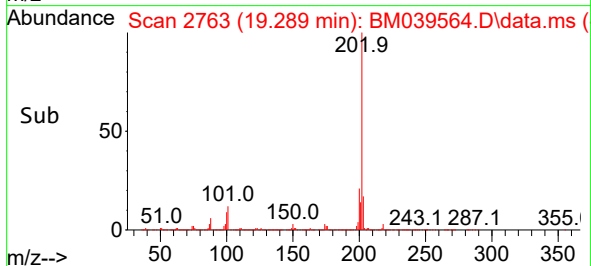
Tgt Ion:	202	Resp:	65894
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	32.1
203	17.5	0.0	37.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#76

Chrysene-d12

Concen: 20.000 ng

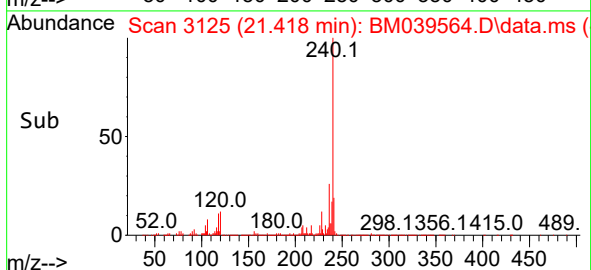
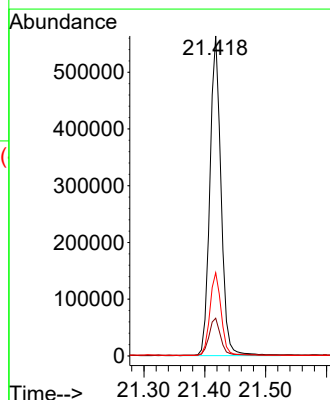
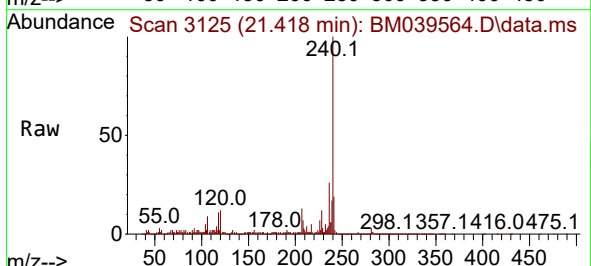
RT: 21.418 min Scan# 3125

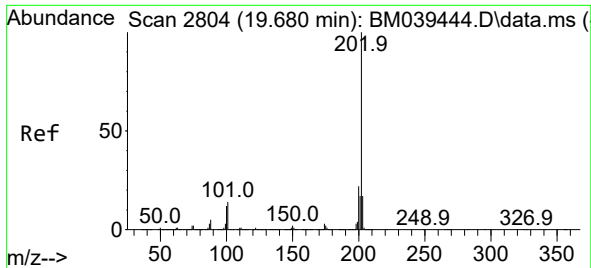
Delta R.T. -0.006 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

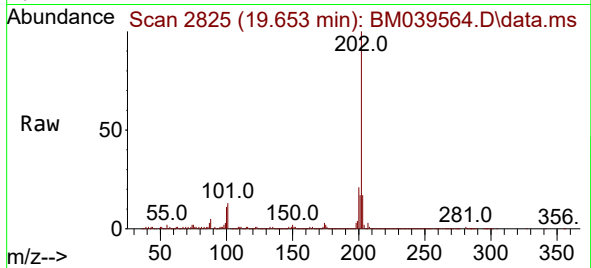
Tgt Ion:	240	Resp:	718476
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.4	14.2
236	26.0	21.2	31.8





#78
 Pyrene
 Concen: 14.582 ng
 RT: 19.653 min Scan# 2825
 Delta R.T. -0.006 min
 Lab File: BM039564.D
 Acq: 21 Apr 2023 22:52

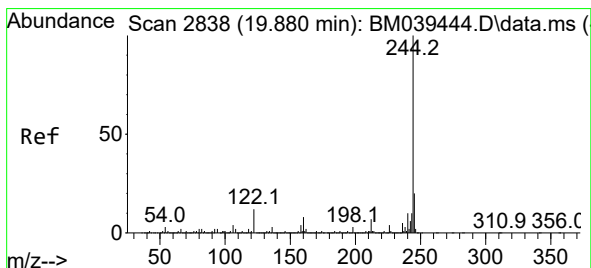
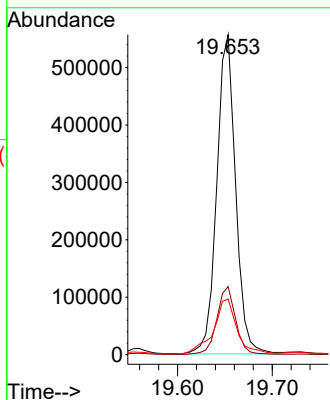
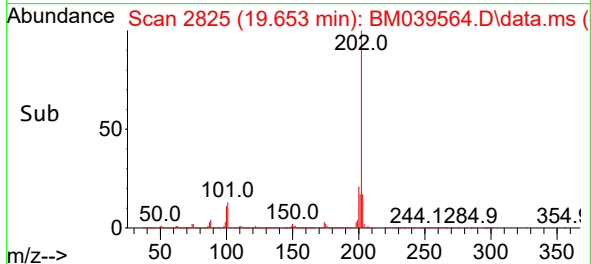
Instrument :
 BNA_M
 ClientSampleId :
 NATIONAL-GRID-COMP



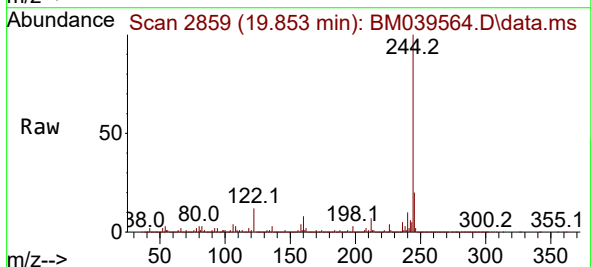
Tgt Ion:202 Resp: 770488
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.2 25.8
 203 17.4 13.9 20.9

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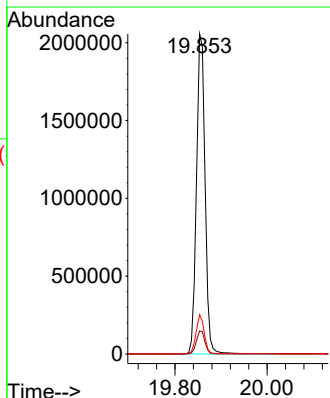
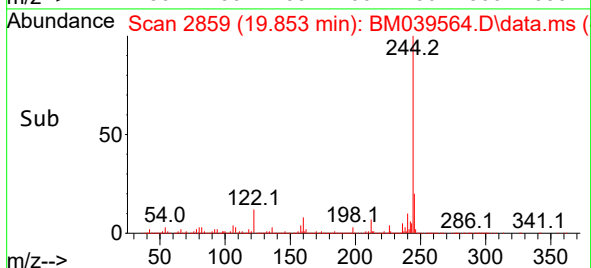
Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023

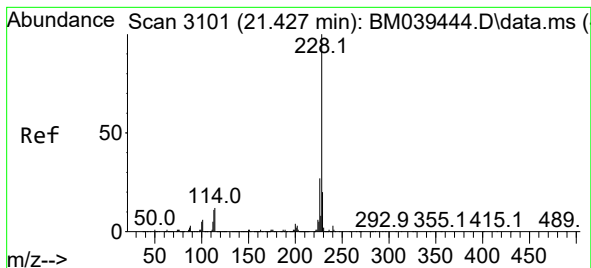


#79
 Terphenyl-d14
 Concen: 66.714 ng
 RT: 19.853 min Scan# 2859
 Delta R.T. -0.012 min
 Lab File: BM039564.D
 Acq: 21 Apr 2023 22:52



Tgt Ion:244 Resp: 2656957
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 12.3 9.5 14.3





#81

Benzo(a)anthracene

Concen: 7.925 ng

RT: 21.400 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

Instrument :

BNA_M

ClientSampleId :

NATIONAL-GRID-COMP

Tgt Ion:228 Resp: 40436

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

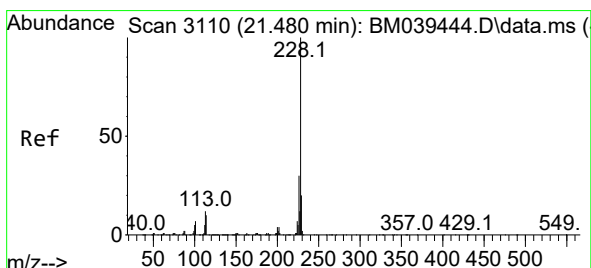
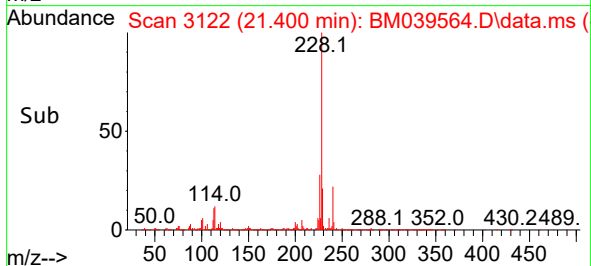
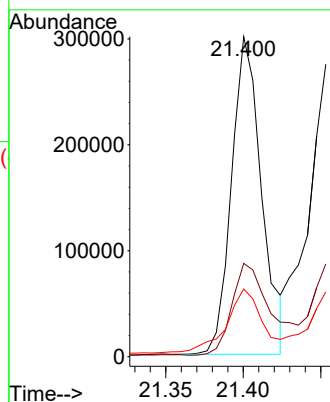
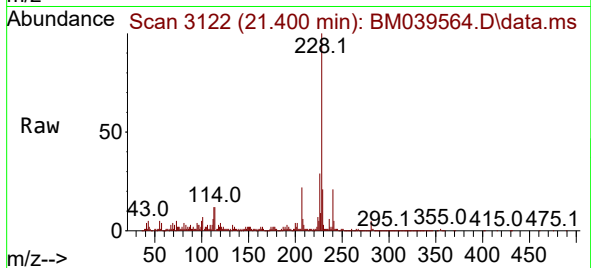
229 21.2 15.9 23.9

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#83

Chrysene

Concen: 8.204 ng

RT: 21.453 min Scan# 3131

Delta R.T. -0.012 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

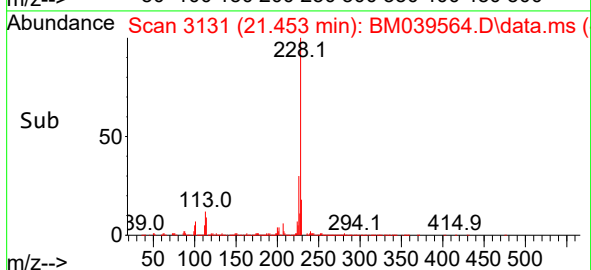
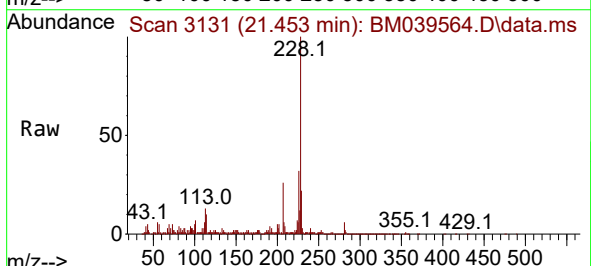
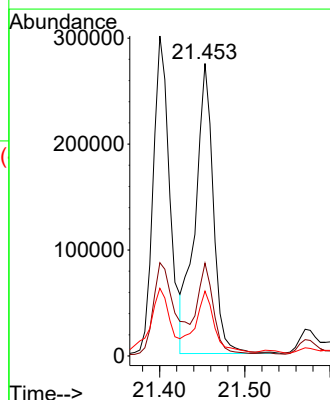
Tgt Ion:228 Resp: 405724

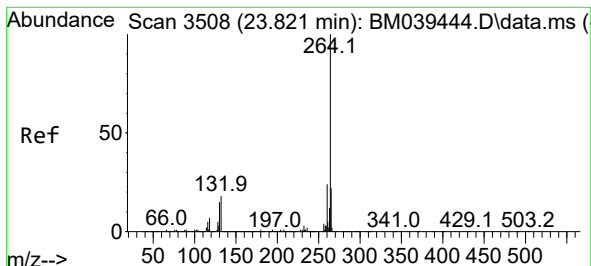
Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

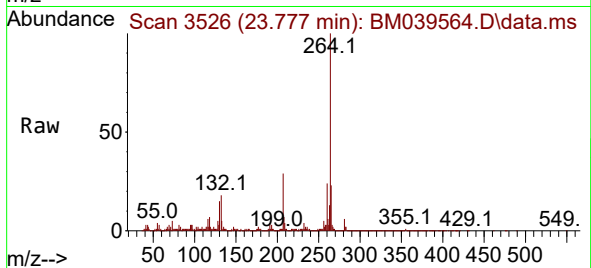
229 22.2 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.777 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

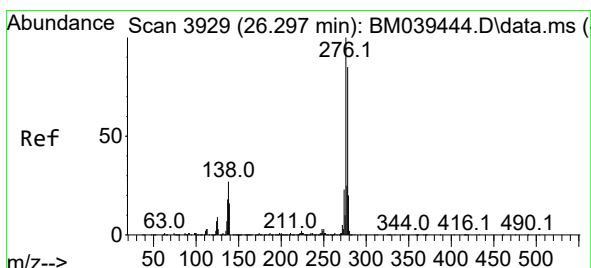
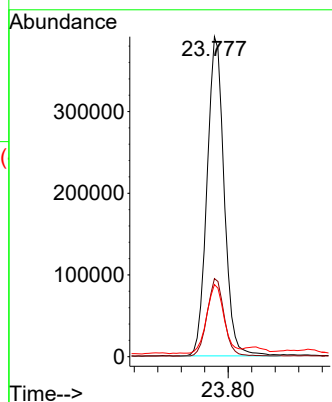
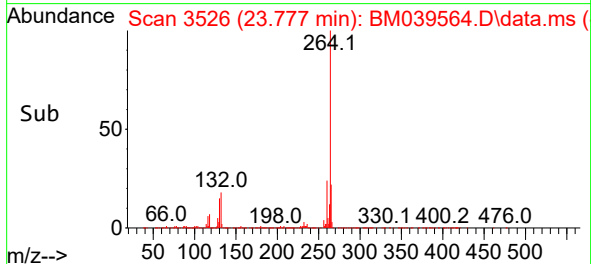
Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP



Tgt Ion:264 Resp: 79147
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 22.5 18.0 27.0

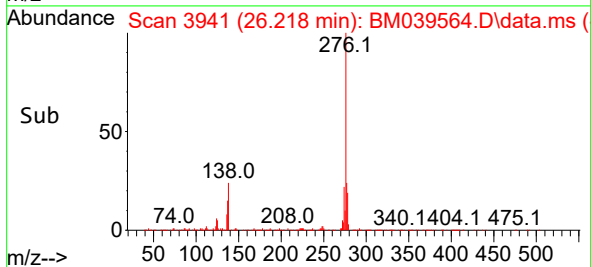
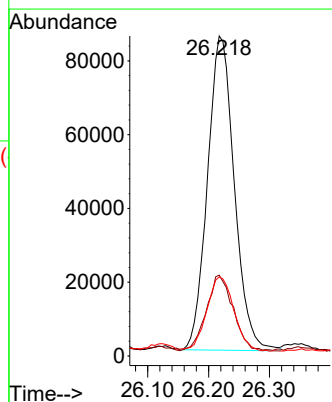
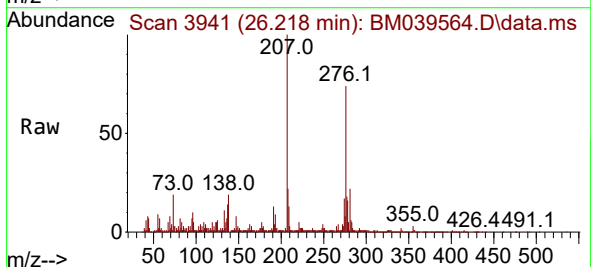
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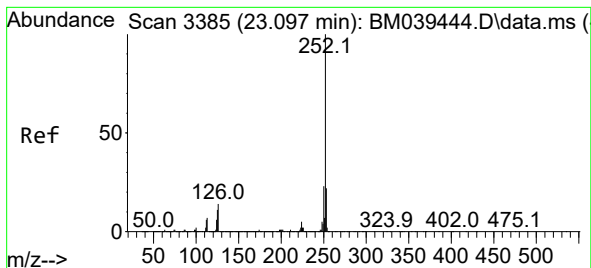
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.486 ng
RT: 26.218 min Scan# 3941
Delta R.T. -0.018 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Tgt Ion:276 Resp: 260921
Ion Ratio Lower Upper
276 100
138 23.9 21.4 32.0
277 24.0 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 10.721 ng m

RT: 23.059 min Scan# 3404

Delta R.T. -0.012 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

Instrument :

BNA_M

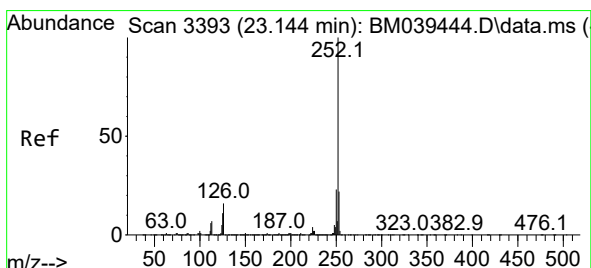
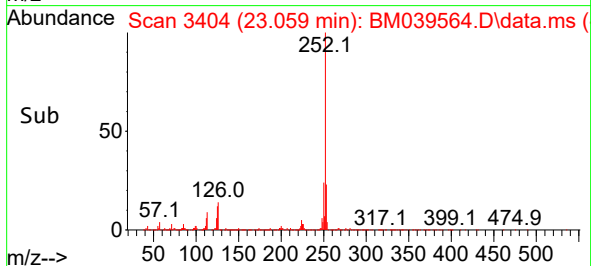
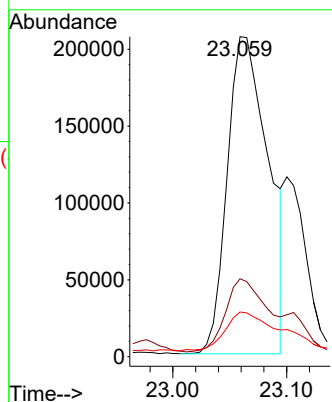
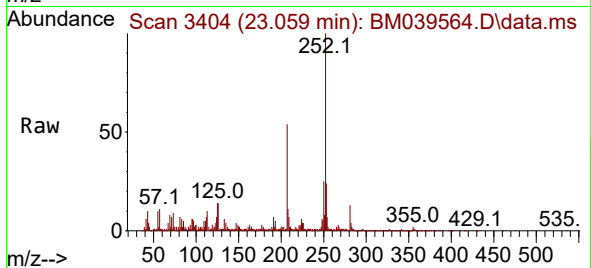
ClientSampleId :

NATIONAL-GRID-COMP

Tgt Ion:252 Resp: 51735
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.8 26.6
 125 14.0 8.9 13.3

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Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#89

Benzo(k)fluoranthene

Concen: 3.042 ng m

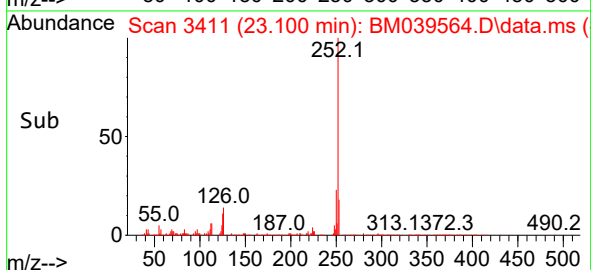
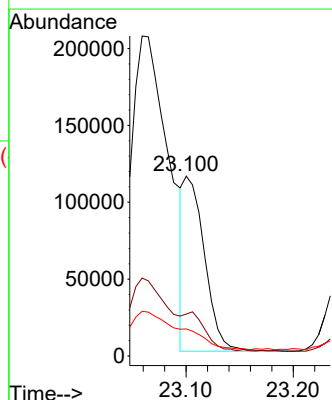
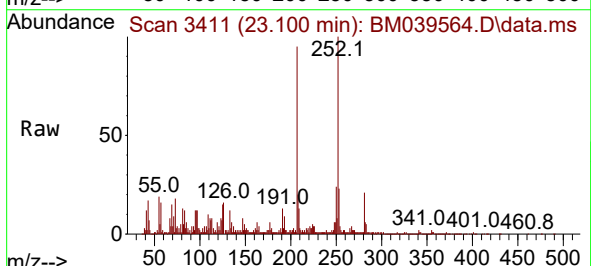
RT: 23.100 min Scan# 3411

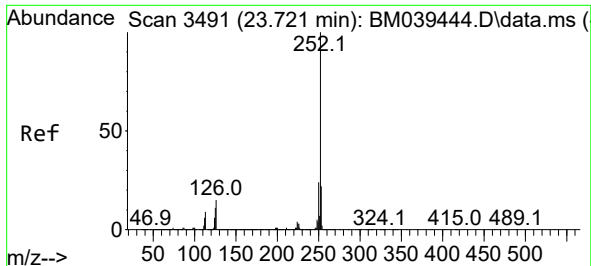
Delta R.T. -0.018 min

Lab File: BM039564.D

Acq: 21 Apr 2023 22:52

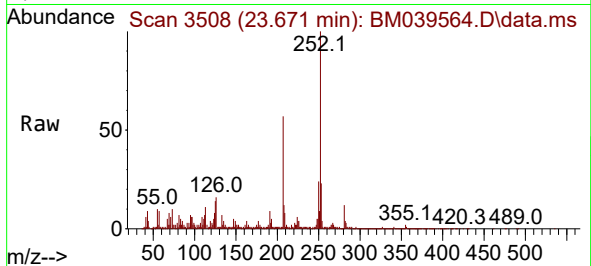
Tgt Ion:252 Resp: 153491
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.5 26.3
 125 15.0 8.8 13.2





#90
Benzo(a)pyrene
Concen: 8.162 ng
RT: 23.671 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

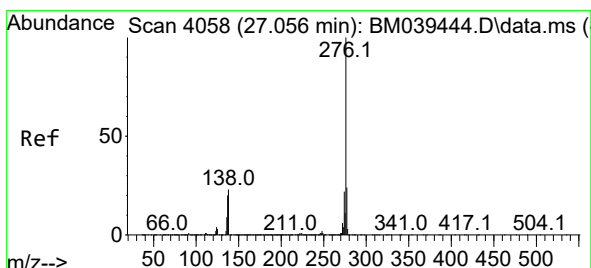
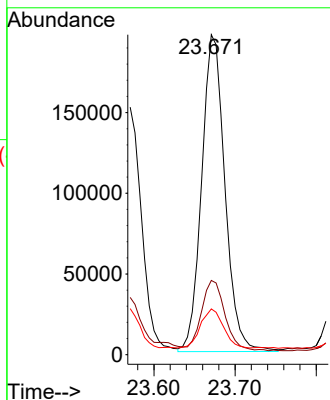
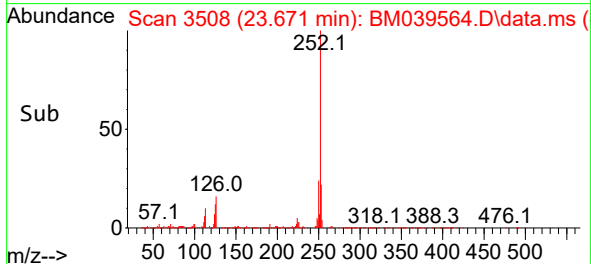
Instrument :
BNA_M
ClientSampleId :
NATIONAL-GRID-COMP



Tgt Ion:252 Resp: 391454
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 14.3 9.0 13.6

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Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#92
Benzo(g,h,i)perylene
Concen: 5.849 ng
RT: 26.976 min Scan# 4070
Delta R.T. -0.012 min
Lab File: BM039564.D
Acq: 21 Apr 2023 22:52

Tgt Ion:276 Resp: 280262
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 23.6 18.8 28.2

