

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
 Data File : BM039393.D
 Acq On : 11 Apr 2023 14:50
 Operator : CG/JU
 Sample : 02269-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-20424

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/12/2023
 Supervised By : Jagrut Upadhyay 04/12/2023

Quant Time: Apr 12 01:37:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	219843	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	862785	20.000	ng	# 0.00
39) Acenaphthene-d10	14.533	164	458748	20.000	ng	# 0.02
64) Phenanthrene-d10	17.333	188	340650	20.000	ng	# 0.06
76) Chrysene-d12	21.492	240	717826	20.000	ng	# 0.03
86) Perylene-d12	23.874	264	932635	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1363821	93.464	ng	0.00
7) Phenol-d6	7.034	99	1699938	90.070	ng	0.00
23) Nitrobenzene-d5	9.034	82	1027883	57.903	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	417487	71.692	ng	0.04
45) 2-Fluorobiphenyl	13.145	172	2270750	67.067	ng	0.00
79) Terphenyl-d14	19.950	244	1582408	40.728	ng	0.05
Target Compounds						Qvalue
66) n-Nitrosodiphenylamine	15.827	169	129943	12.105	ng	# 67
75) Fluoranthene	19.403	202	300607	14.135	ng	# 43
78) Pyrene	19.762	202	321295	6.287	ng	# 50
81) Benzo(a)anthracene	21.480	228	334592	6.609	ng	# 82
83) Chrysene	21.533	228	365379	7.476	ng	# 85
84) Bis(2-ethylhexyl)phtha...	21.392	149	200980	5.813	ng	# 77
87) Indeno(1,2,3-cd)pyrene	26.344	276	324041	4.716	ng	94
88) Benzo(b)fluoranthene	23.150	252	667408m	11.695	ng	
89) Benzo(k)fluoranthene	23.191	252	181472m	3.122	ng	
90) Benzo(a)pyrene	23.768	252	381887	6.812	ng	# 74
92) Benzo(g,h,i)perylene	27.109	276	331069	5.834	ng	97

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

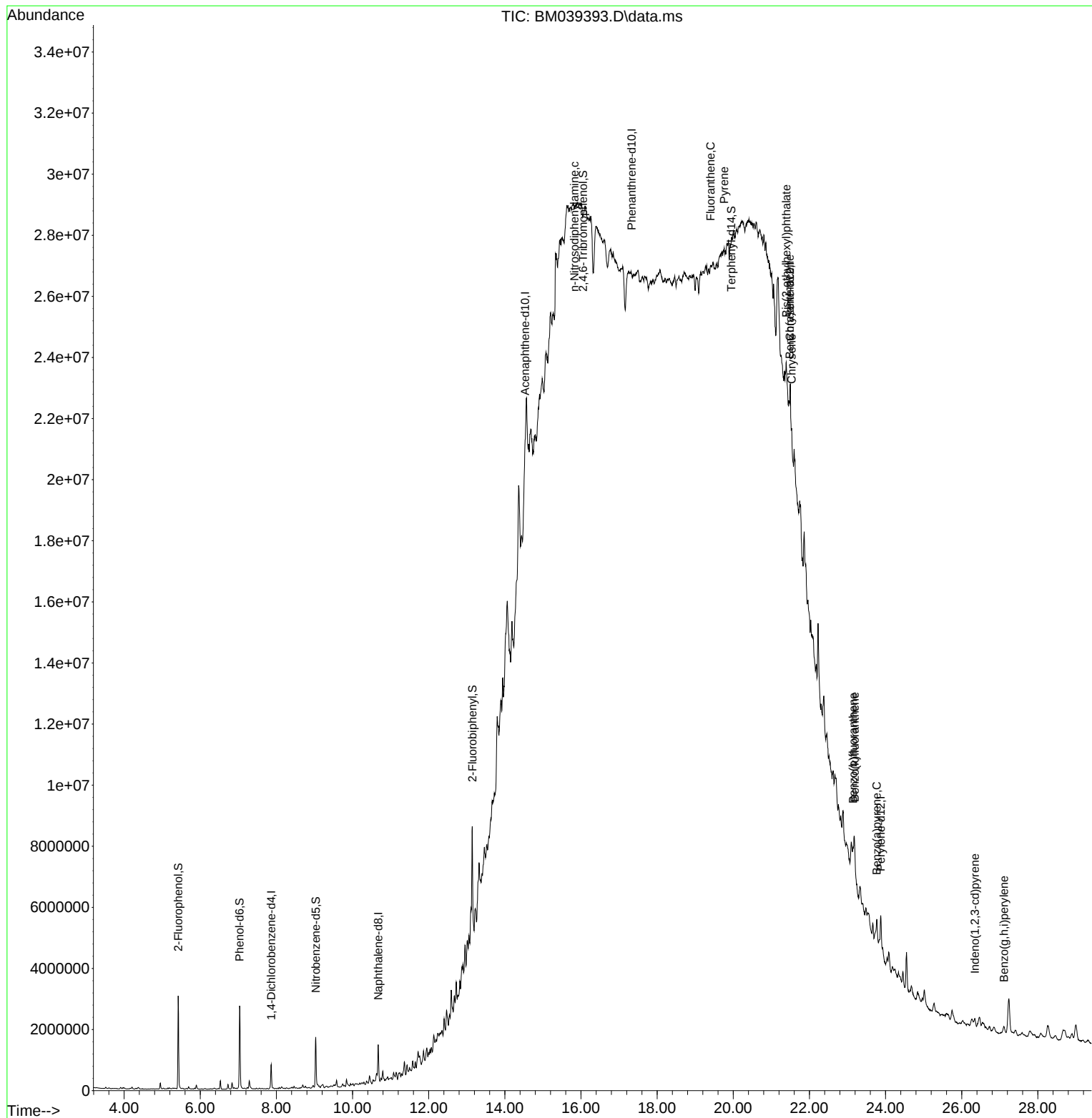
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
Data File : BM039393.D
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Operator : CG/JU
Sample : 02269-01
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ALS Vial : 6 Sample Multiplier: 1

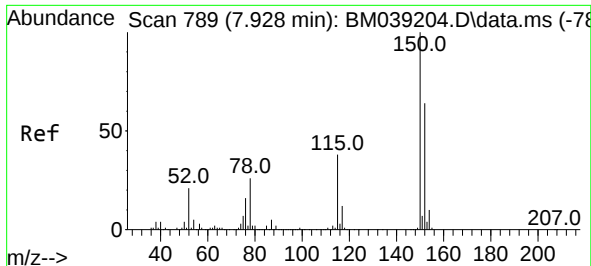
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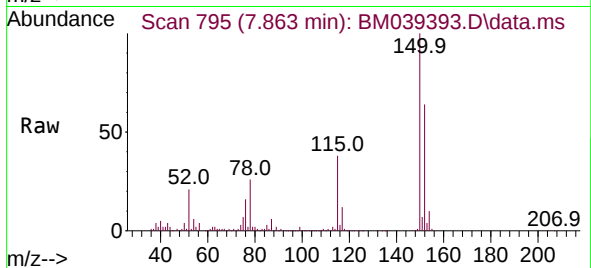
Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 789
Delta R.T. 0.000 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

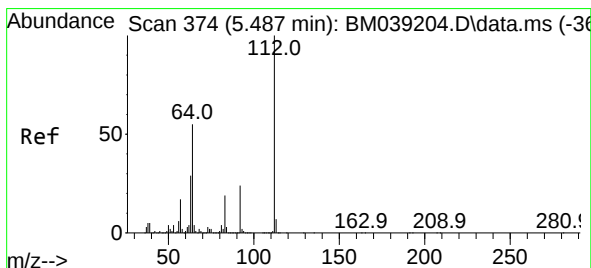
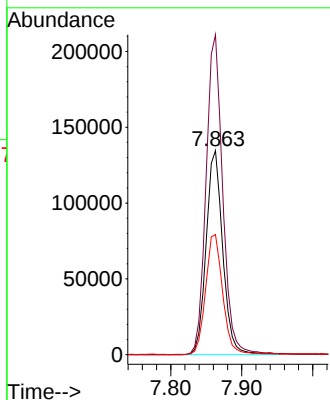
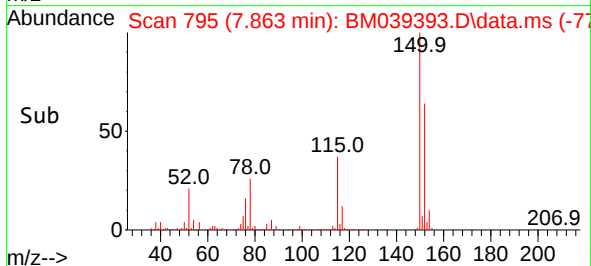
Instrument :
BNA_M
ClientSampleId :
CHRT-20424



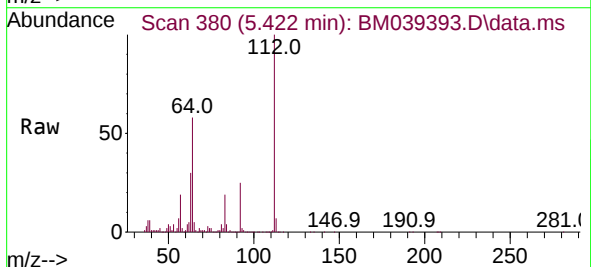
Tgt Ion:152 Resp: 21984
Ion Ratio Lower Upper
152 100
150 156.7 125.5 188.3
115 58.9 48.1 72.1

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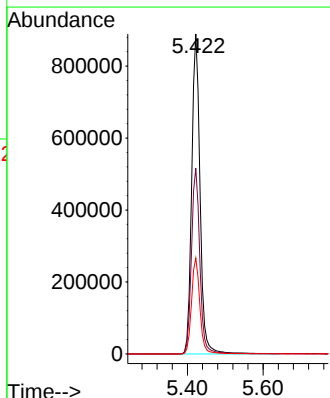
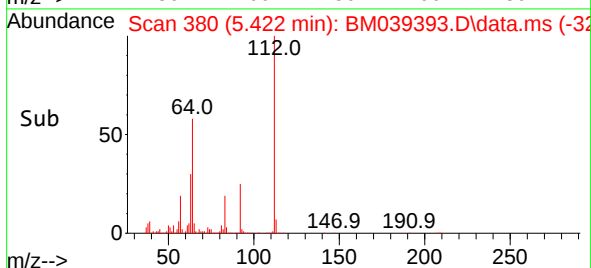
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

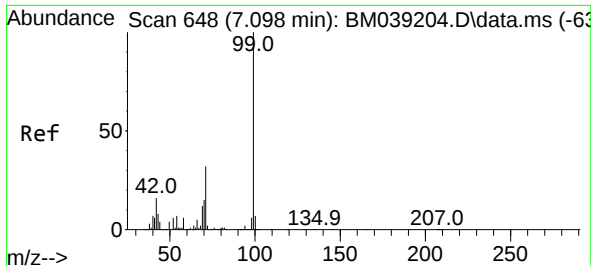


#5
2-Fluorophenol
Concen: 93.464 ng
RT: 5.422 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50



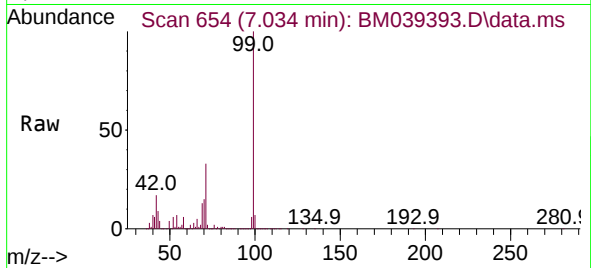
Tgt Ion:112 Resp: 1363821
Ion Ratio Lower Upper
112 100
64 58.1 44.3 66.5
63 30.0 23.0 34.6





#7
Phenol-d6
Concen: 90.070 ng
RT: 7.034 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

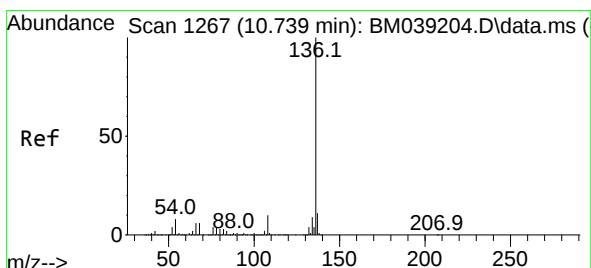
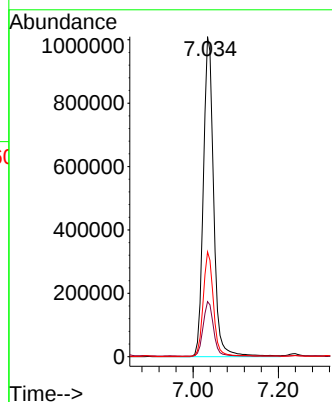
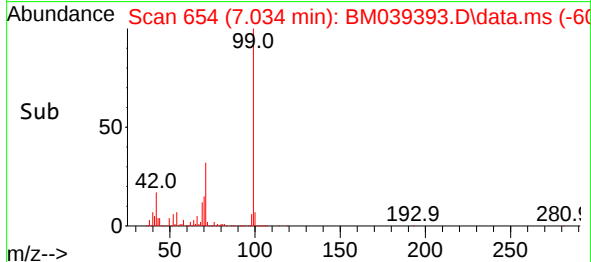
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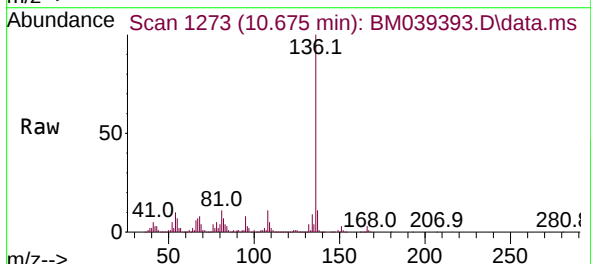
Tgt Ion: 99 Resp: 1699938
Ion Ratio Lower Upper
99 100
42 17.2 13.0 19.6
71 32.7 25.5 38.3

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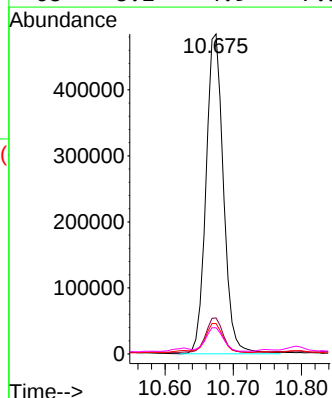
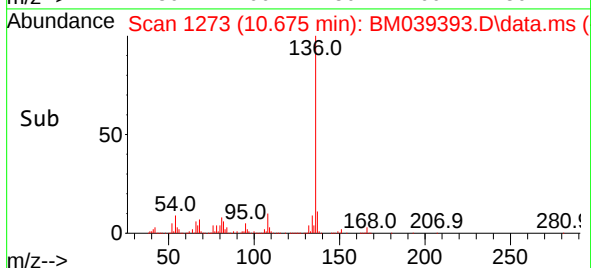
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50



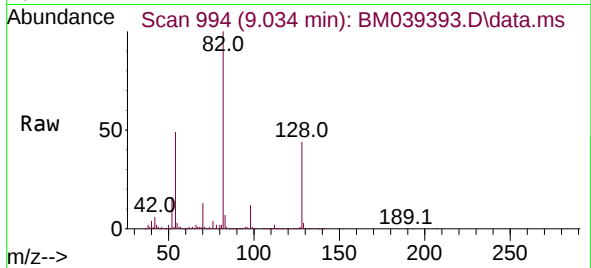
Tgt Ion:136 Resp: 862785
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.5 6.2 9.4#
68 8.2 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 57.903 ng
RT: 9.034 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

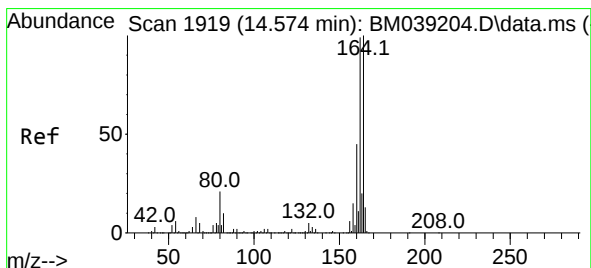
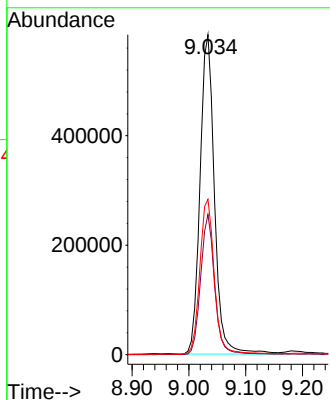
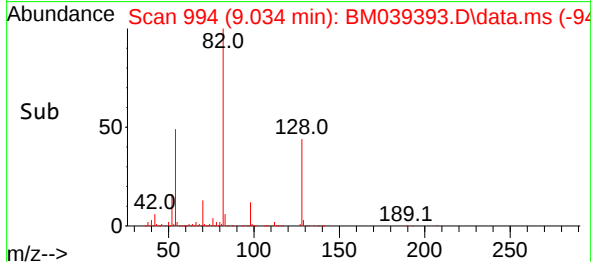
Instrument :
BNA_M
ClientSampleId :
CHRT-20424



Tgt Ion: 82 Resp: 102788
Ion Ratio Lower Upper
82 100
128 43.9 35.1 52.7
54 48.5 38.5 57.7

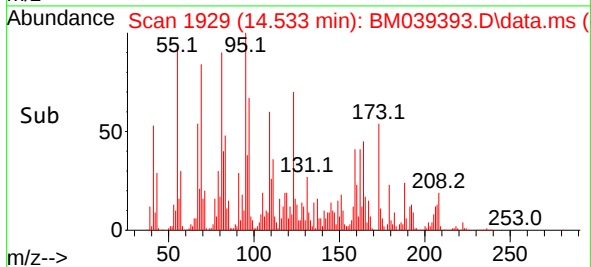
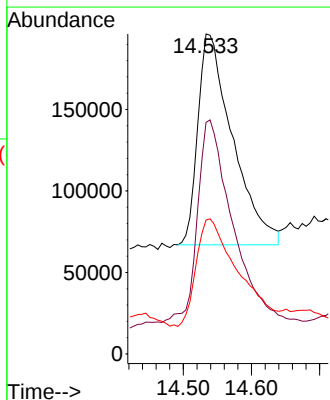
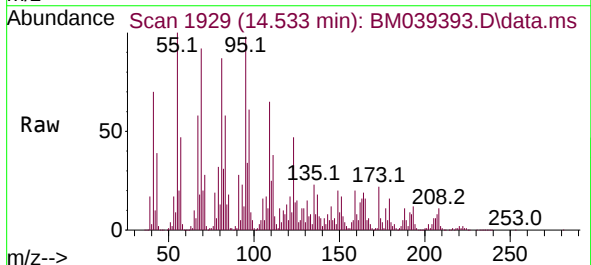
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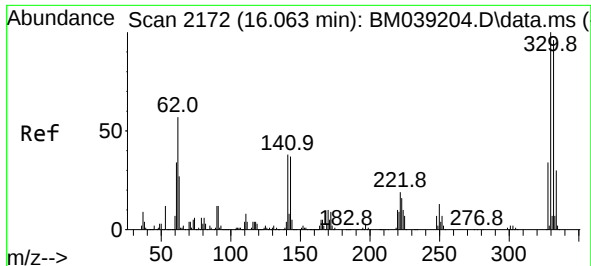
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1929
Delta R.T. 0.018 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Tgt Ion:164 Resp: 458748
Ion Ratio Lower Upper
164 100
162 72.4 79.1 118.7#
160 41.9 35.8 53.8





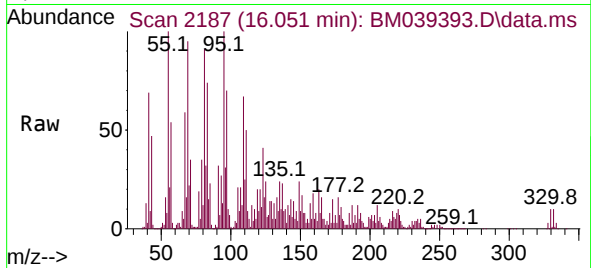
#42
2,4,6-Tribromophenol
Concen: 71.692 ng
RT: 16.051 min Scan# 2172
Delta R.T. 0.035 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Instrument :

BNA_M

ClientSampleId :

CHRT-20424

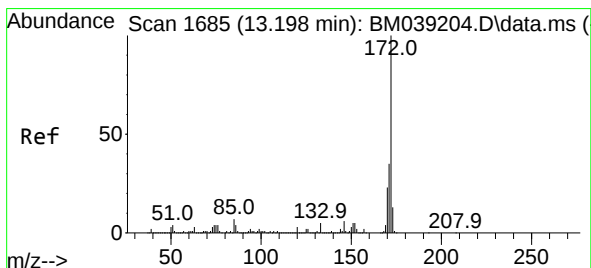
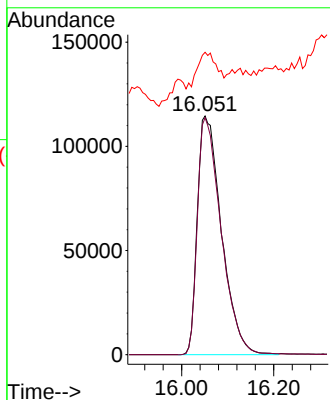
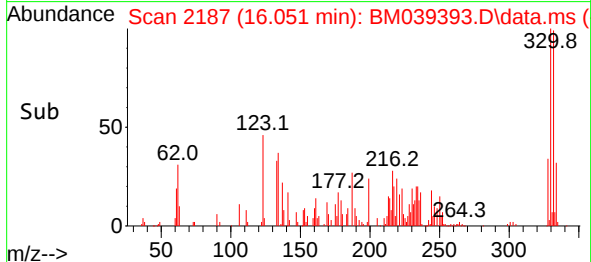


Tgt Ion:330 Resp: 41748
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 11.1 29.8 44.6

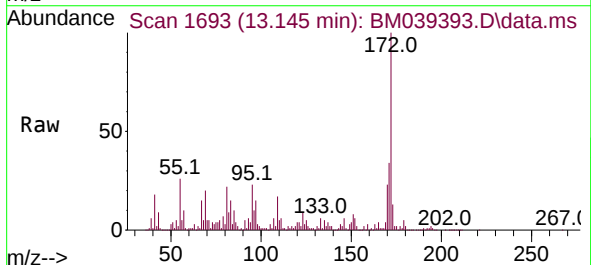
Manual Integrations

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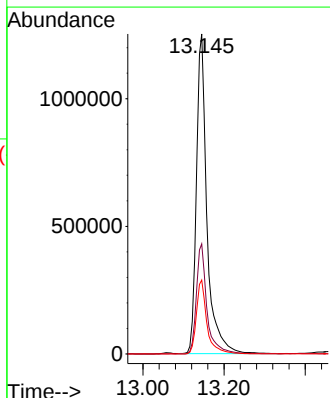
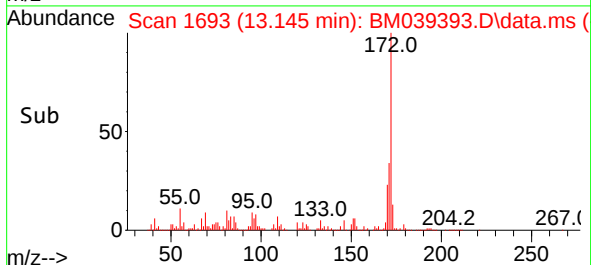
Reviewed By :Christian Giraldo 04/12/2023
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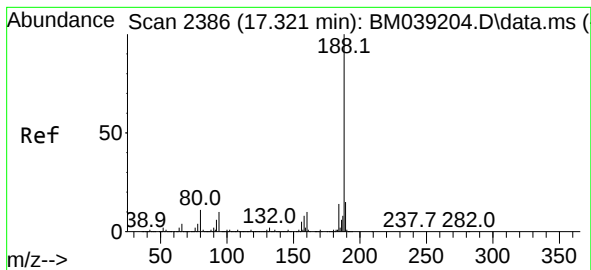


#45
2-Fluorobiphenyl
Concen: 67.067 ng
RT: 13.145 min Scan# 1693
Delta R.T. 0.006 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50



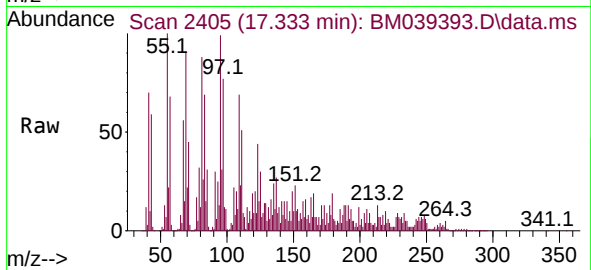
Tgt Ion:172 Resp: 2270750
Ion Ratio Lower Upper
172 100
171 34.4 28.0 42.0
170 23.1 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2405
Delta R.T. 0.065 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

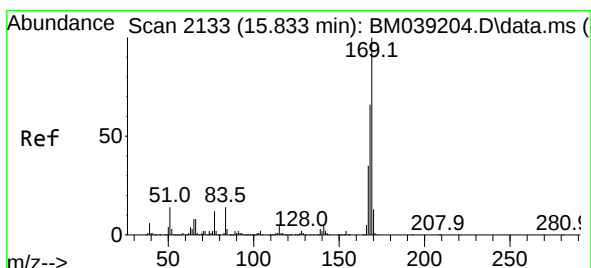
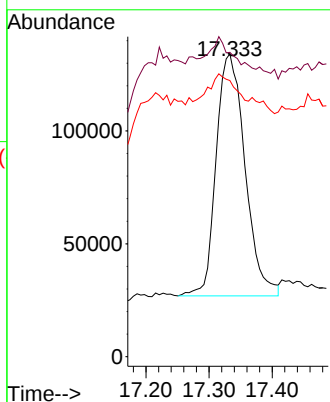
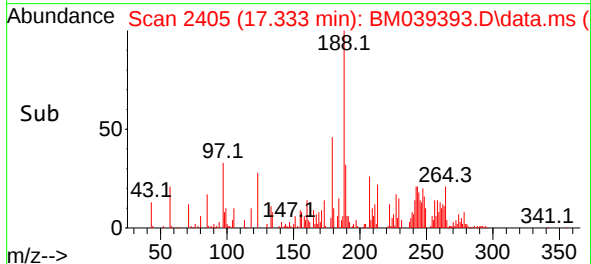
Instrument :
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ClientSampleId :
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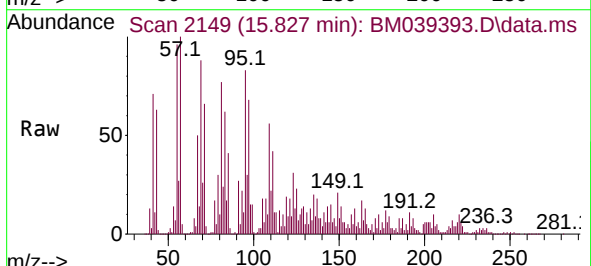
Tgt Ion:188 Resp: 340650
Ion Ratio Lower Upper
188 100
94 100.4 8.2 12.4#
80 91.2 8.9 13.3#

Manual Integrations
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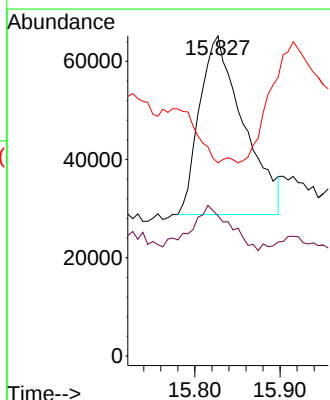
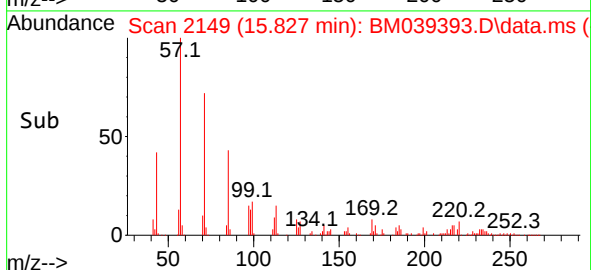
Reviewed By :Christian Giraldo 04/12/2023
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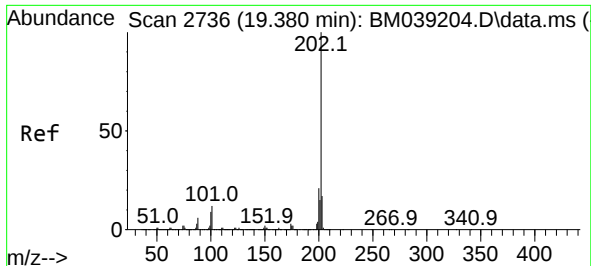


#66
n-Nitrosodiphenylamine
Concen: 12.105 ng
RT: 15.827 min Scan# 2149
Delta R.T. 0.047 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50



Tgt Ion:169 Resp: 129943
Ion Ratio Lower Upper
169 100
168 43.8 52.8 79.2#
167 60.4 28.4 42.6#





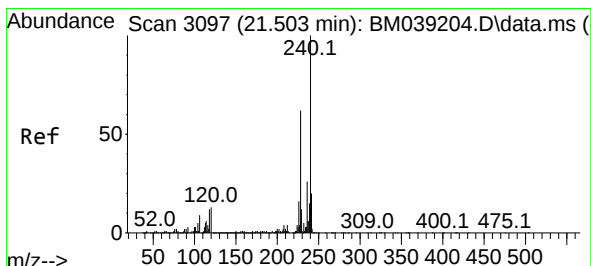
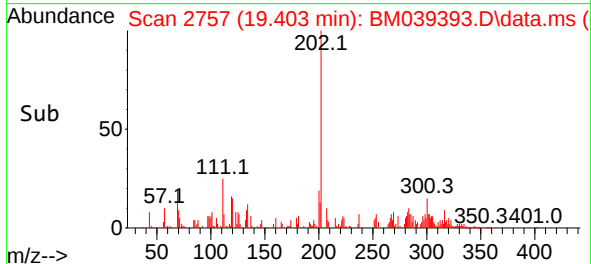
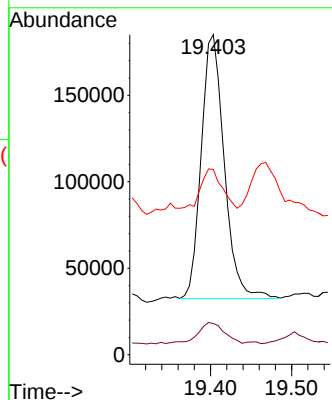
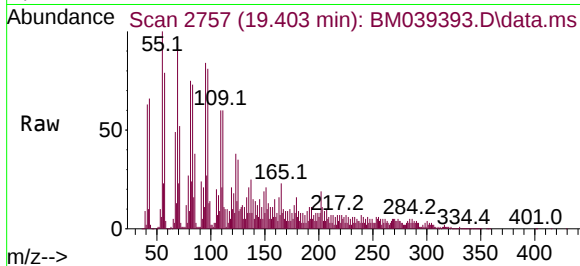
#75
Fluoranthene
Concen: 14.135 ng
RT: 19.403 min Scan# 21
Delta R.T. 0.071 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Instrument :
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Tgt Ion:202 Resp: 30060
Ion Ratio Lower Upper
202 100
101 9.8 0.0 32.5
203 57.9 0.0 37.5

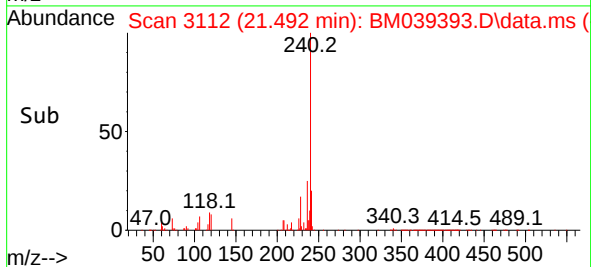
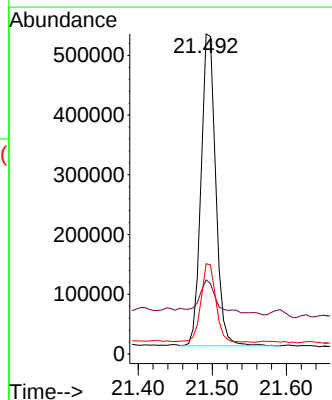
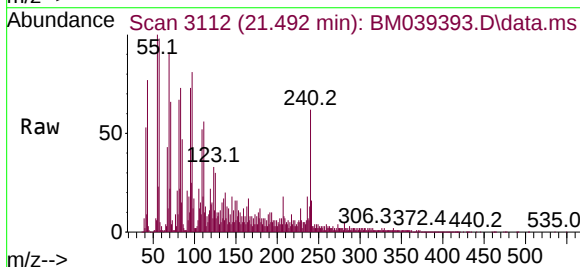
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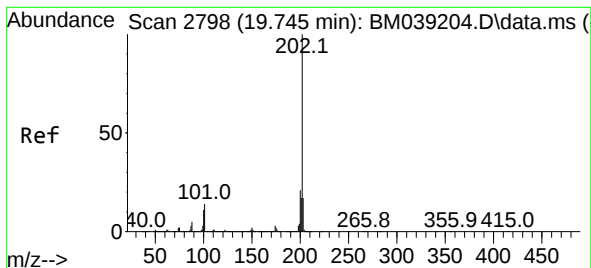
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.492 min Scan# 3112
Delta R.T. 0.029 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Tgt Ion:240 Resp: 717826
Ion Ratio Lower Upper
240 100
120 23.1 10.2 15.2#
236 28.2 20.9 31.3





#78

Pyrene

Concen: 6.287 ng

RT: 19.762 min Scan# 2818

Delta R.T. 0.065 min

Lab File: BM039393.D

Acq: 11 Apr 2023 14:50

Instrument :

BNA_M

ClientSampleId :

CHRT-20424

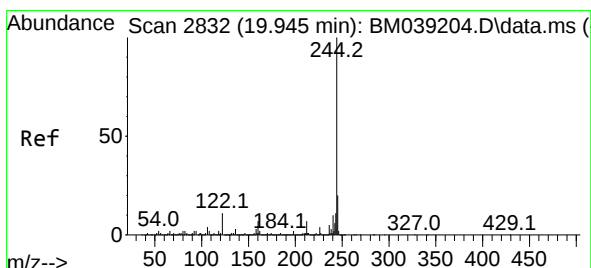
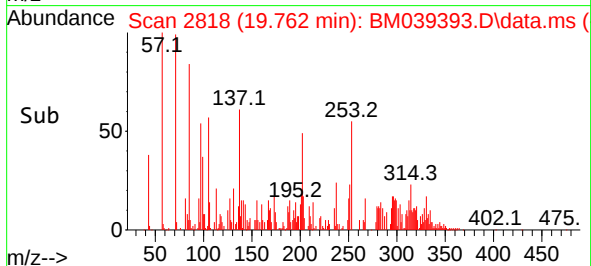
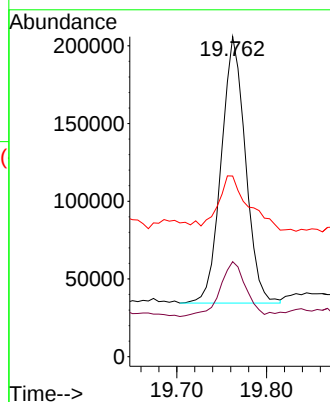
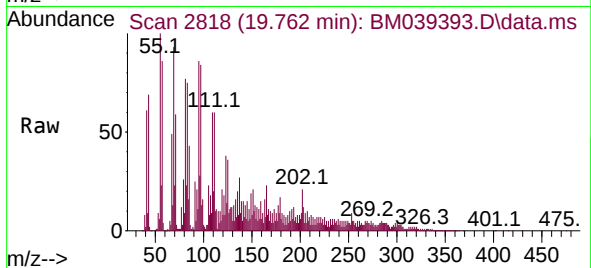
Tgt Ion:202 Resp: 321295
 Ion Ratio Lower Upper
 202 100
 200 29.7 17.1 25.7#
 203 56.5 13.9 20.9#

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/12/2023



#79

Terphenyl-d14

Concen: 40.728 ng

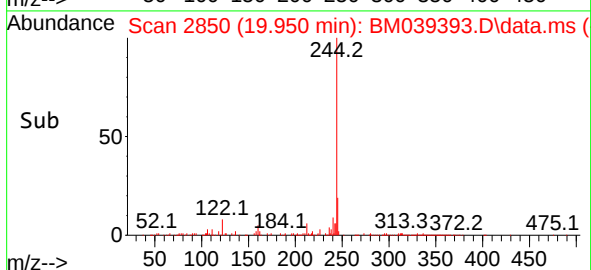
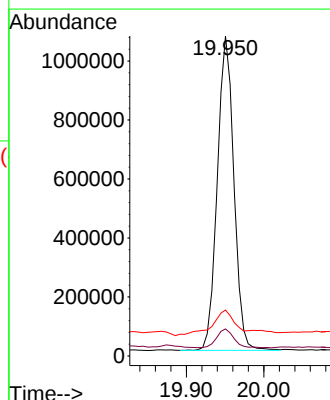
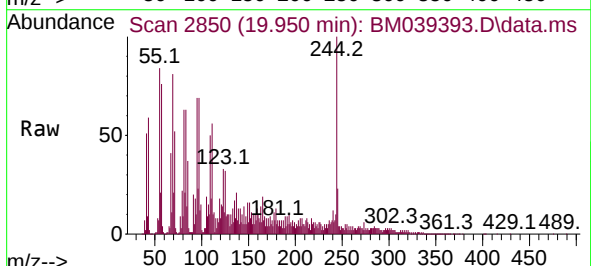
RT: 19.950 min Scan# 2850

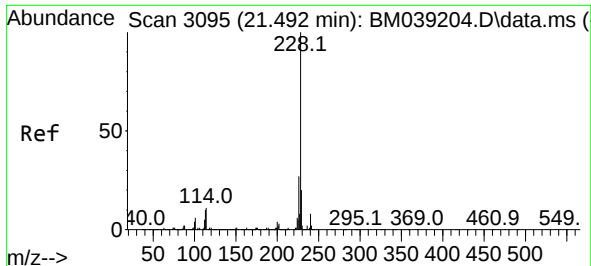
Delta R.T. 0.053 min

Lab File: BM039393.D

Acq: 11 Apr 2023 14:50

Tgt Ion:244 Resp: 1582408
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.6 8.4#
 122 14.4 9.1 13.7#





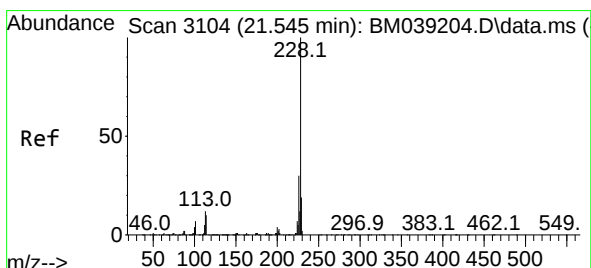
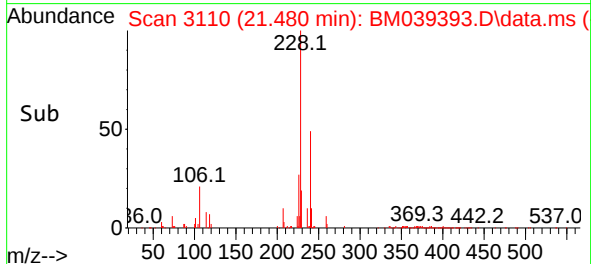
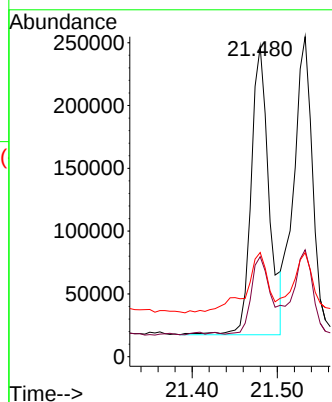
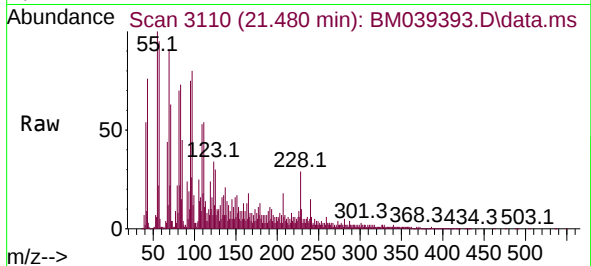
#81
Benzo(a)anthracene
Concen: 6.609 ng
RT: 21.480 min Scan# 3110
Delta R.T. 0.035 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Instrument :
BNA_M
ClientSampleId :
CHRT-20424

Tgt Ion:228 Resp: 334592
Ion Ratio Lower Upper
228 100
226 32.3 21.9 32.9
229 33.6 15.8 23.6

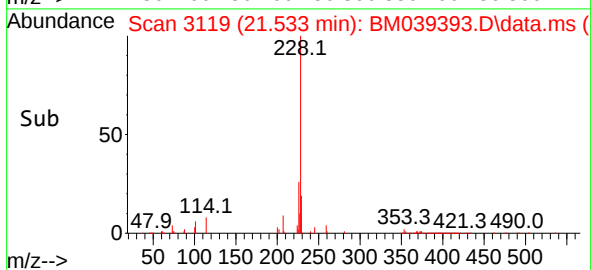
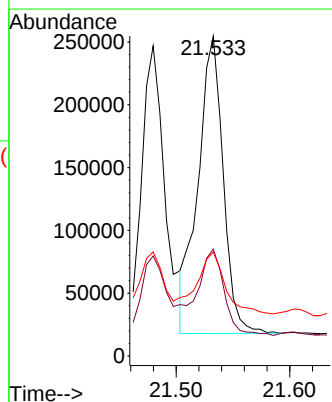
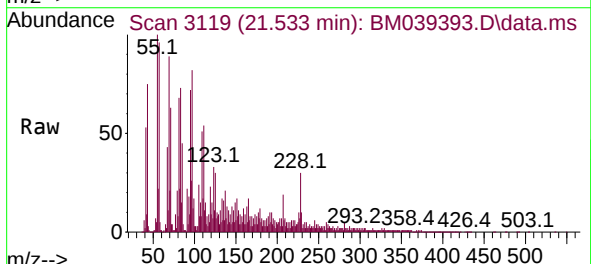
Manual Integrations
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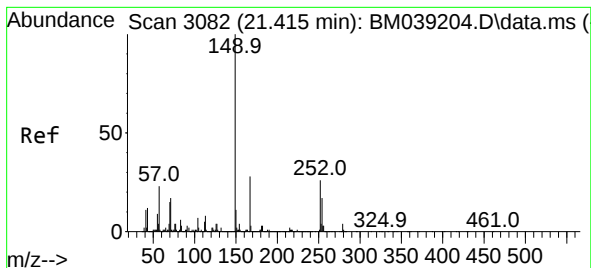
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#83
Chrysene
Concen: 7.476 ng
RT: 21.533 min Scan# 3119
Delta R.T. 0.029 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Tgt Ion:228 Resp: 365379
Ion Ratio Lower Upper
228 100
226 33.4 24.1 36.1
229 32.5 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.813 ng
RT: 21.392 min Scan# 3082
Delta R.T. 0.018 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Instrument :

BNA_M

ClientSampleId :

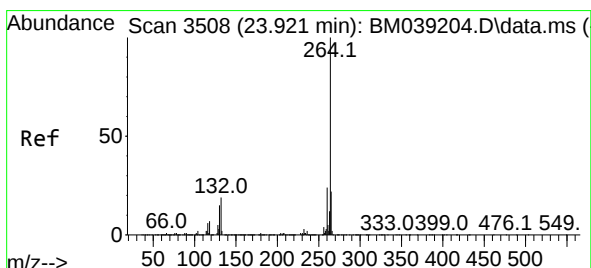
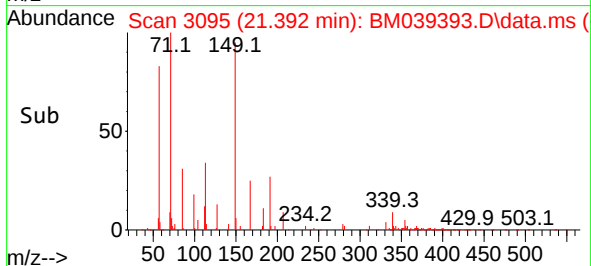
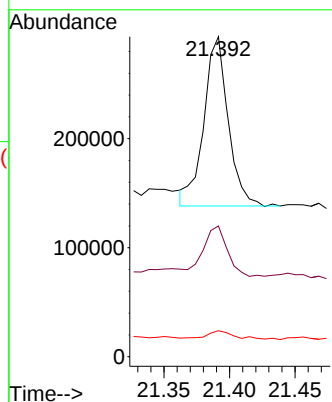
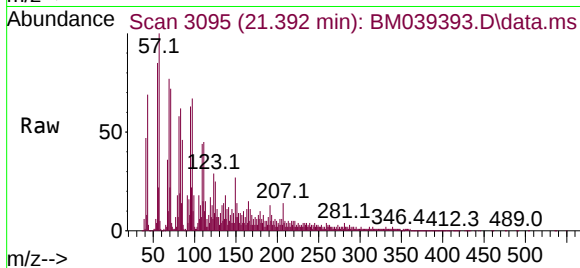
CHRT-20424

Tgt Ion:149 Resp: 200980
Ion Ratio Lower Upper
149 100
167 40.8 22.3 33.5
279 8.1 3.4 5.2

Manual Integrations

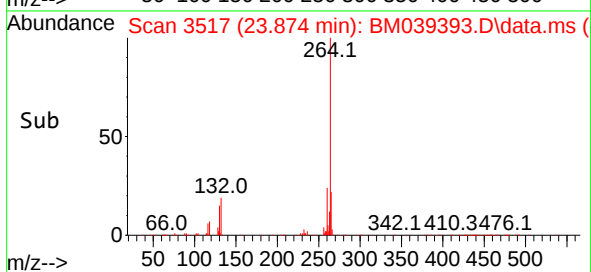
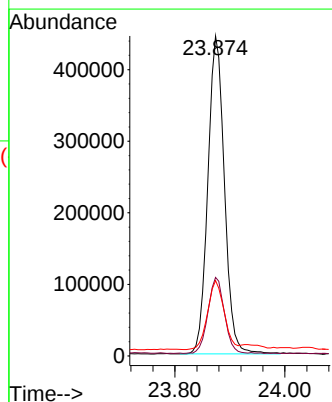
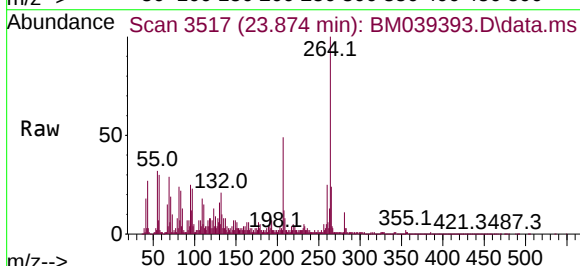
APPROVED

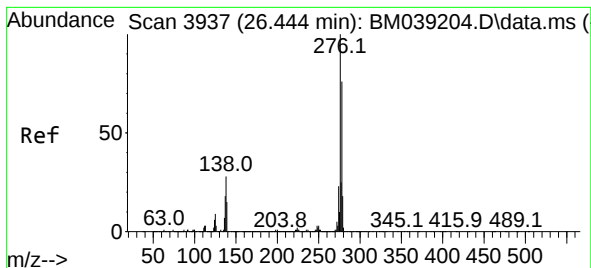
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.874 min Scan# 3517
Delta R.T. 0.024 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Tgt Ion:264 Resp: 932635
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 23.6 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.716 ng

RT: 26.344 min Scan# 3937

Delta R.T. 0.006 min

Lab File: BM039393.D

Acq: 11 Apr 2023 14:50

Instrument :

BNA_M

ClientSampleId :

CHRT-20424

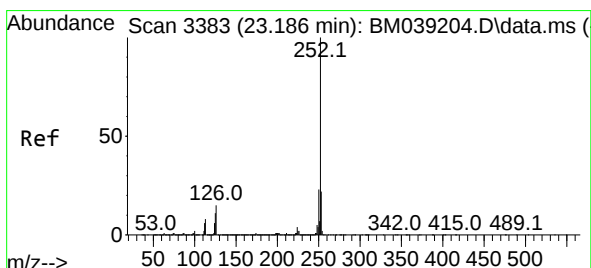
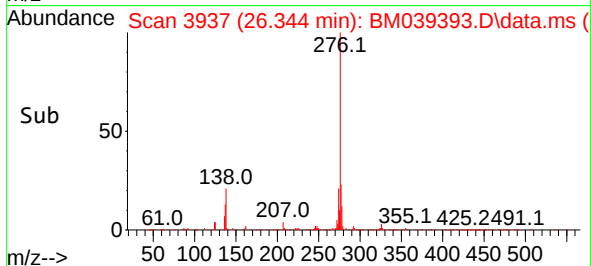
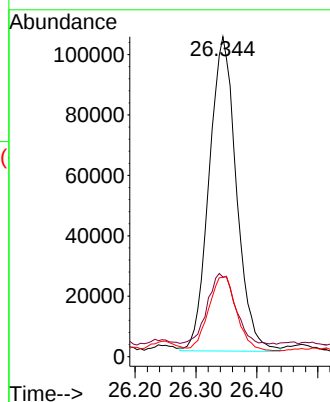
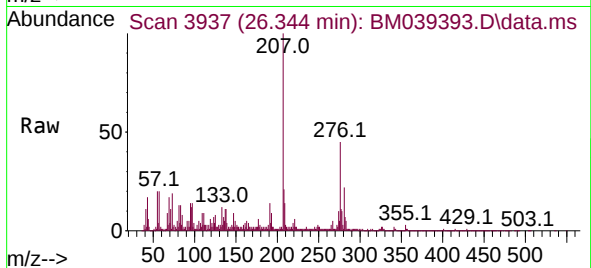
Tgt Ion:	276	Resp:	32404
Ion Ratio	Lower	Upper	
276	100		
138	22.8	22.2	33.2
277	24.0	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#88

Benzo(b)fluoranthene

Concen: 11.695 ng m

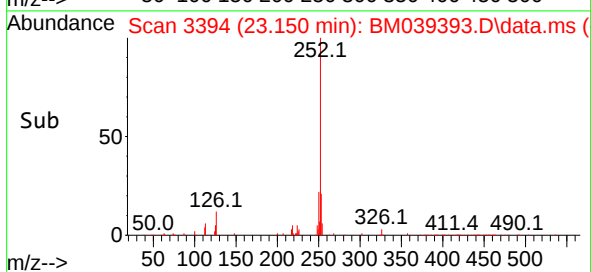
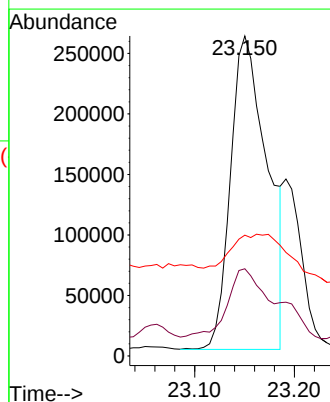
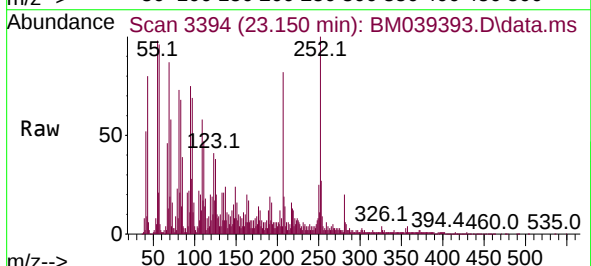
RT: 23.150 min Scan# 3394

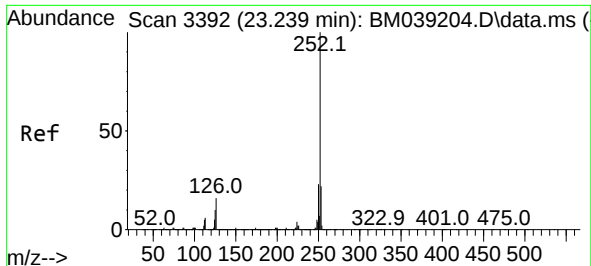
Delta R.T. 0.024 min

Lab File: BM039393.D

Acq: 11 Apr 2023 14:50

Tgt Ion:	252	Resp:	667408
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.6	26.4#
125	37.8	9.0	13.6#





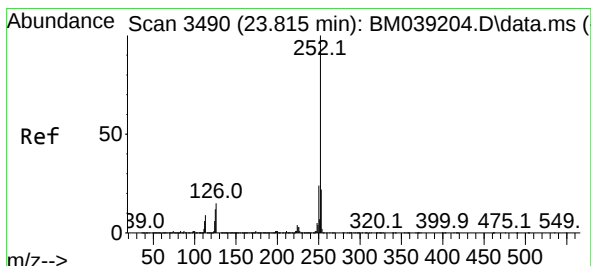
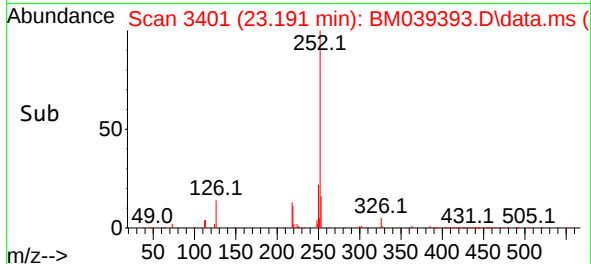
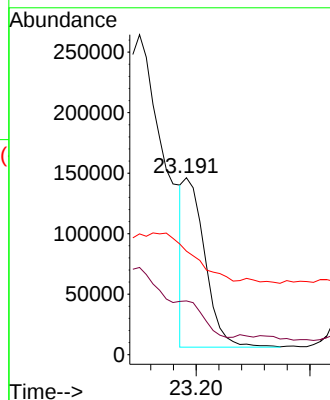
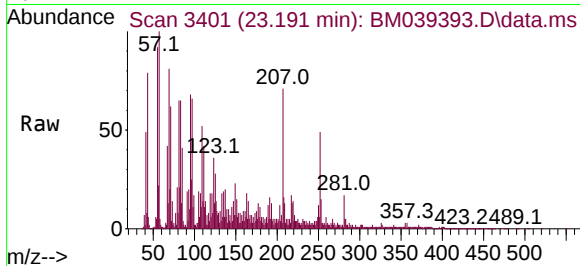
#89
Benzo(k)fluoranthene
Concen: 3.122 ng m
RT: 23.191 min Scan# 34
Delta R.T. 0.018 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Instrument :
BNA_M
ClientSampleId :
CHRT-20424

Tgt Ion:252 Resp: 181472
Ion Ratio Lower Upper
252 100
253 30.4 17.8 26.8
125 58.5 8.5 12.7

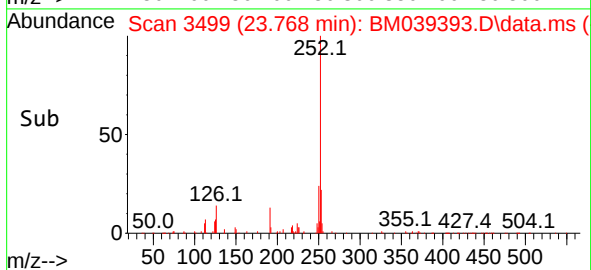
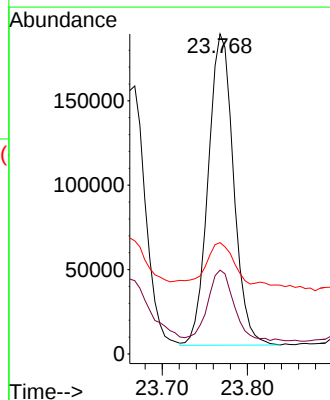
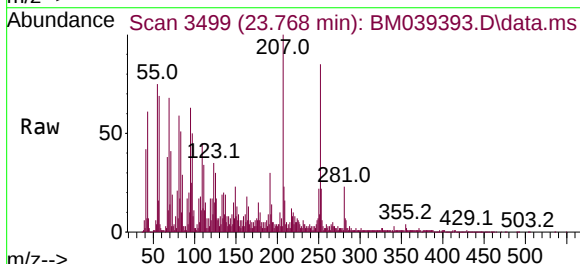
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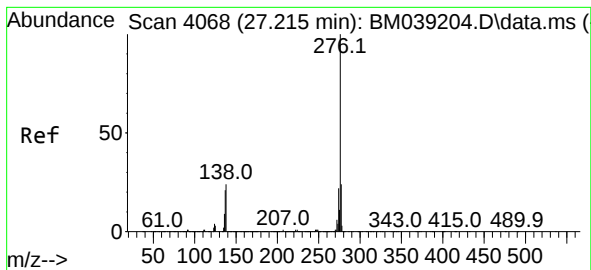
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#90
Benzo(a)pyrene
Concen: 6.812 ng
RT: 23.768 min Scan# 3499
Delta R.T. 0.018 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

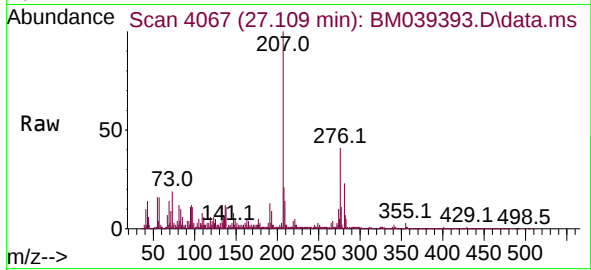
Tgt Ion:252 Resp: 381887
Ion Ratio Lower Upper
252 100
253 26.2 17.6 26.4
125 34.8 9.8 14.6





#92
Benzo(g,h,i)perylene
Concen: 5.834 ng
RT: 27.109 min Scan# 4067
Delta R.T. 0.006 min
Lab File: BM039393.D
Acq: 11 Apr 2023 14:50

Instrument :
BNA_M
ClientSampleId :
CHRT-20424



Tgt Ion: 276 Resp: 331069
Ion Ratio Lower Upper
276 100
277 25.4 19.1 28.7
138 26.2 19.5 29.3

Manual Integrations
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Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023

