

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
 Data File : BM047426.D
 Acq On : 03 Sep 2024 15:24
 Operator : RC/JU
 Sample : P3813-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-04-083024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
 Supervised By :mohammad ahmed 09/06/2024

Quant Time: Sep 03 16:09:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.340	152	235195	20.000	ng	-0.01
21) Naphthalene-d8	10.098	136	844577	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	535896	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	978358	20.000	ng	0.00
76) Chrysene-d12	21.015	240	809863	20.000	ng	0.00
86) Perylene-d12	23.721	264	991570	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.004	112	1544033	125.951	ng	0.00
7) Phenol-d6	6.569	99	1991204	119.234	ng	0.00
23) Nitrobenzene-d5	8.492	82	1298616	85.315	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	775319	119.916	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	3071378	88.061	ng	0.00
79) Terphenyl-d14	19.439	244	3592773	78.964	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.815	178	218524	4.599	ng	99
75) Fluoranthene	18.851	202	517512	9.276	ng	99
78) Pyrene	19.221	202	548148	8.825	ng	100
81) Benzo(a)anthracene	20.997	228	300049	5.681	ng	96
83) Chrysene	21.056	228	312294	6.286	ng	98
87) Indeno(1,2,3-cd)pyrene	26.727	276	303655	4.892	ng	97
88) Benzo(b)fluoranthene	22.880	252	456058	7.883	ng	# 94
89) Benzo(k)fluoranthene	22.927	252	136331m	2.486	ng	
90) Benzo(a)pyrene	23.591	252	373286	7.462	ng	95
92) Benzo(g,h,i)perylene	27.668	276	350058	6.696	ng	98

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

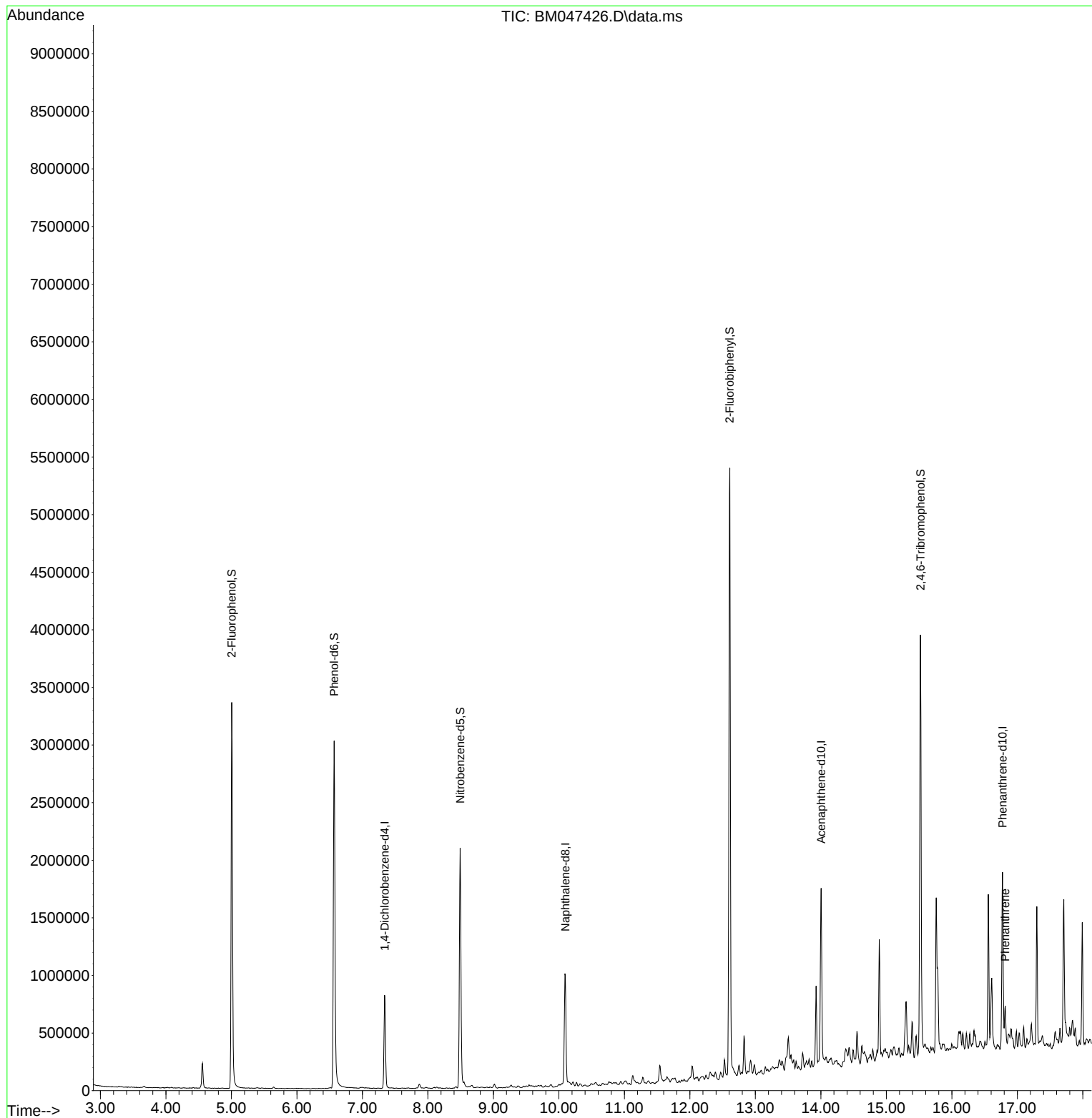
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
Data File : BM047426.D
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Instrument :
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ClientSampleId :
TR-04-083024

Quant Time: Sep 03 16:09:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

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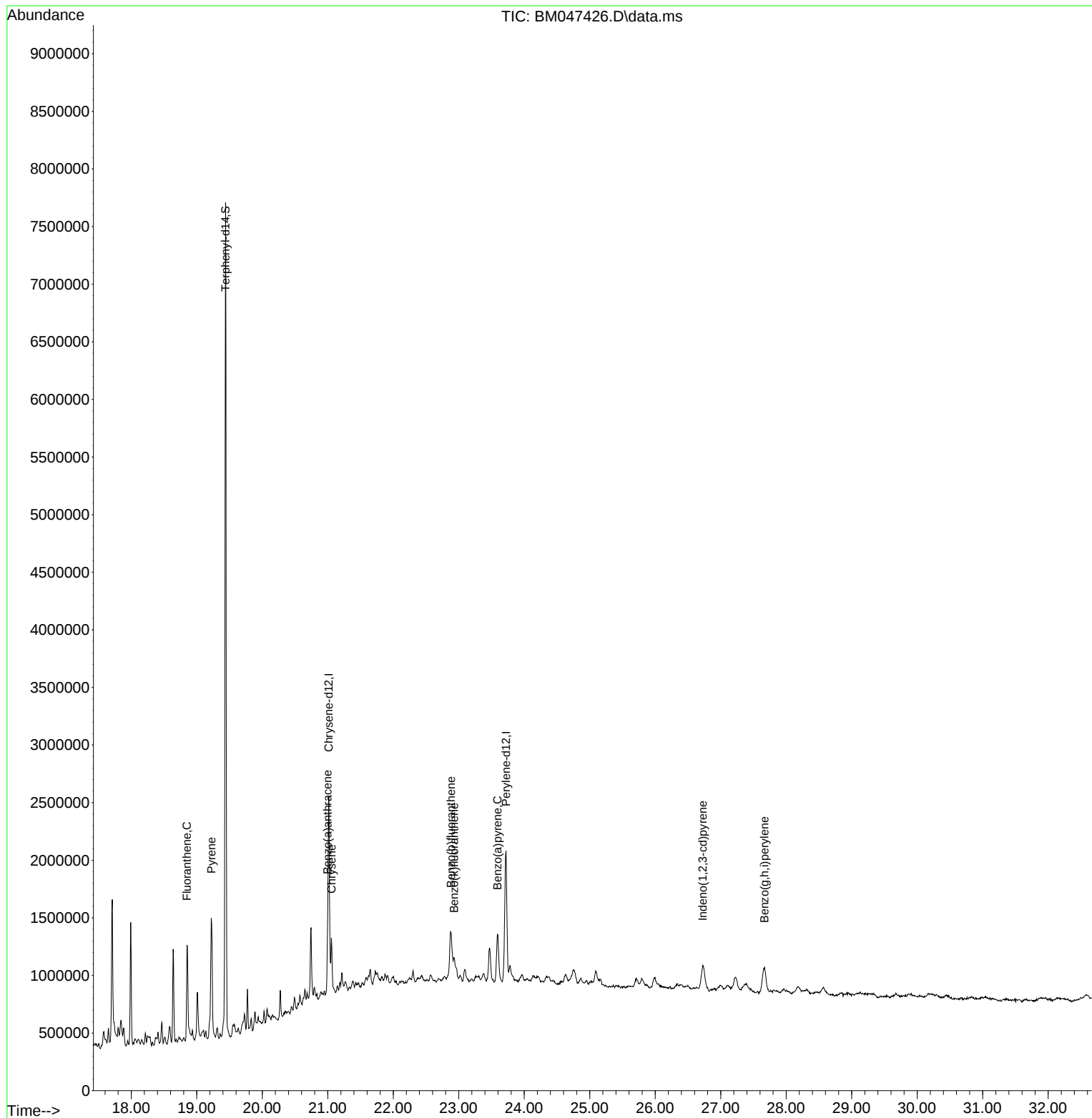
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
Data File : BM047426.D
Acq On : 03 Sep 2024 15:24
Operator : RC/JU
Sample : P3813-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

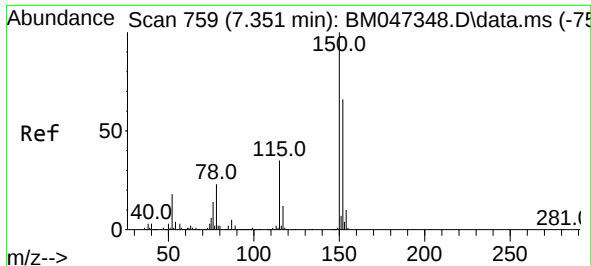
Instrument :
BNA_M
ClientSampleId :
TR-04-083024

Quant Time: Sep 03 16:09:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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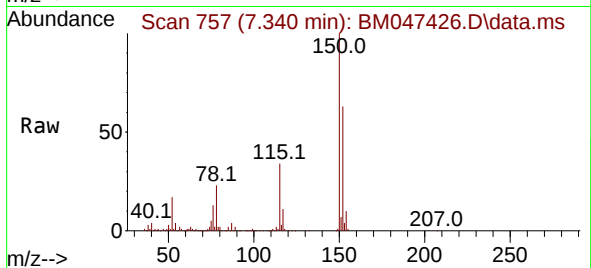
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.340 min Scan# 70
Delta R.T. -0.011 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

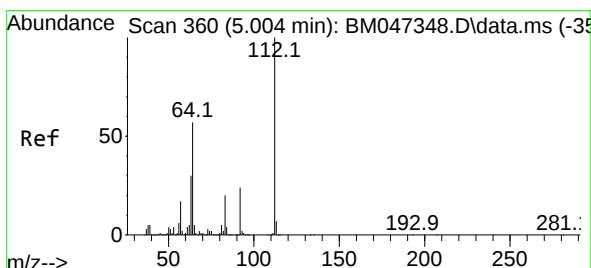
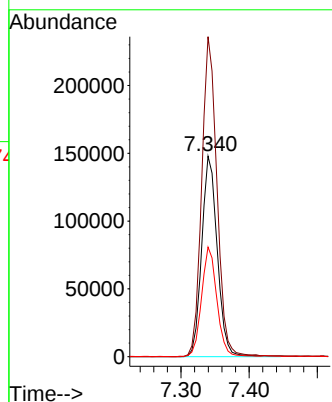
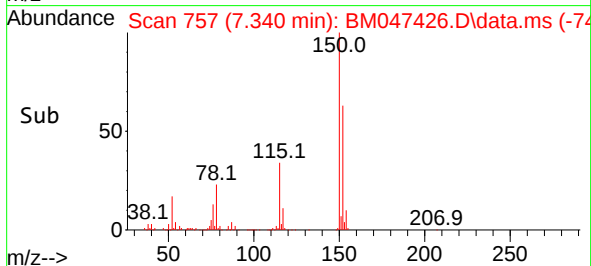
Instrument :
BNA_M
ClientSampleId :
TR-04-083024



Tgt Ion:152 Resp: 23519
Ion Ratio Lower Upper
152 100
150 159.6 121.3 181.9
115 54.7 42.6 64.0

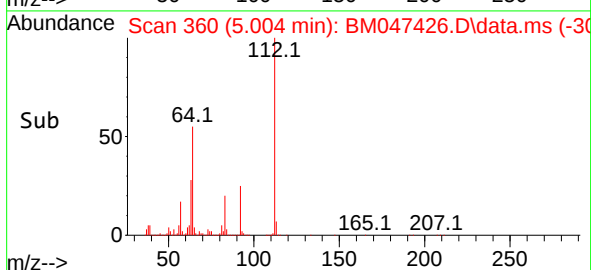
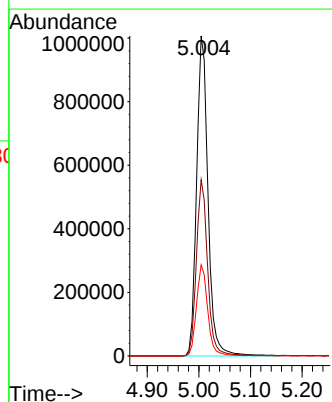
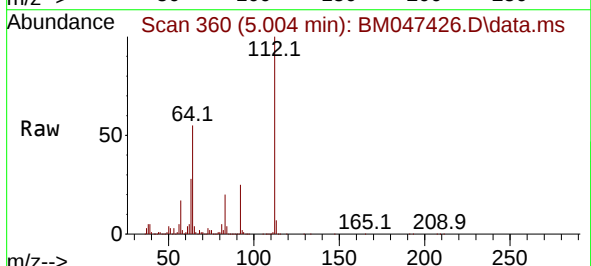
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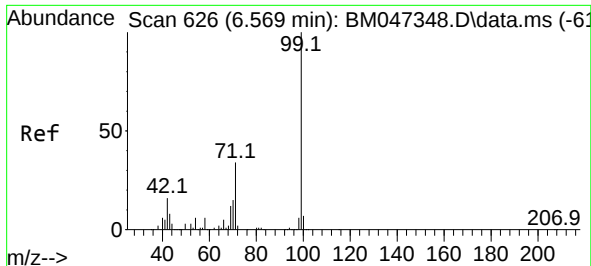
Reviewed By :Jagrut Upadhyay 09/04/2024
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#5
2-Fluorophenol
Concen: 125.951 ng
RT: 5.004 min Scan# 360
Delta R.T. 0.000 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

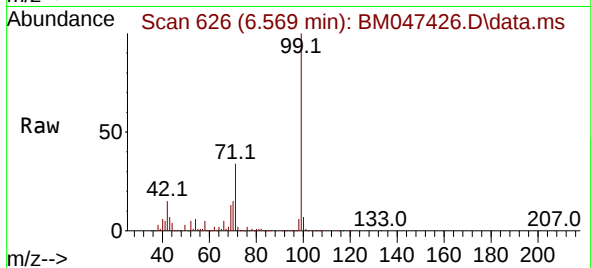
Tgt Ion:112 Resp: 1544033
Ion Ratio Lower Upper
112 100
64 55.1 45.7 68.5
63 28.5 23.8 35.8





#7
Phenol-d6
Concen: 119.234 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

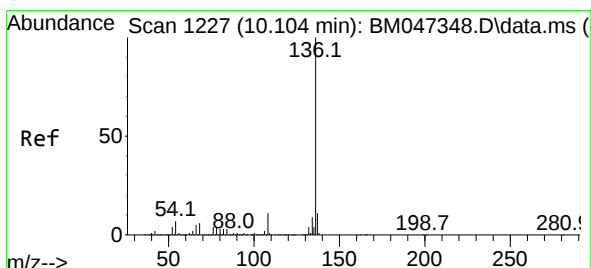
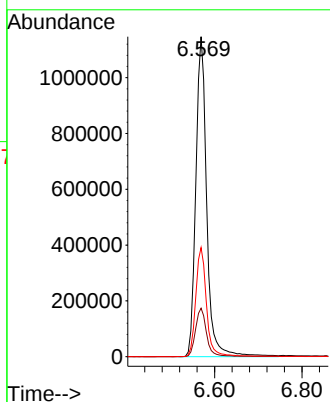
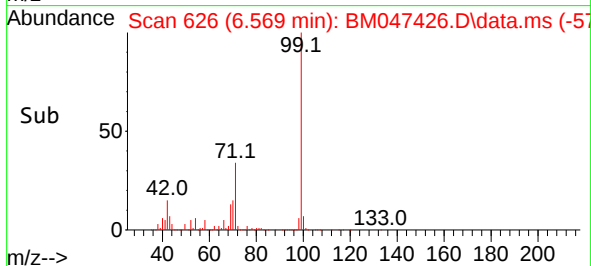
Instrument :
BNA_M
ClientSampleId :
TR-04-083024



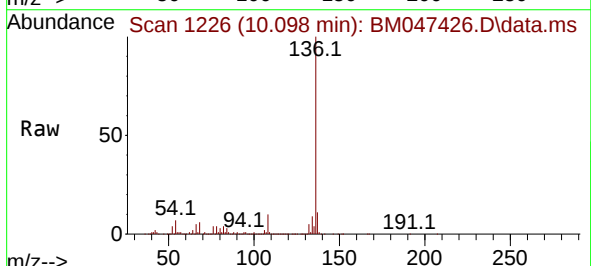
Tgt Ion: 99 Resp: 1991204
Ion Ratio Lower Upper
99 100
42 15.2 13.0 19.4
71 34.1 27.5 41.3

Manual Integrations
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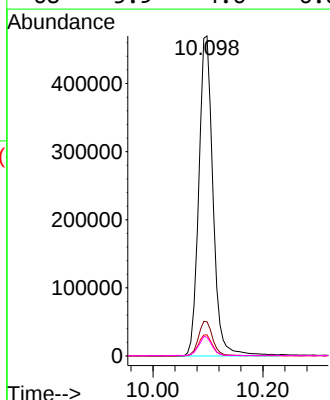
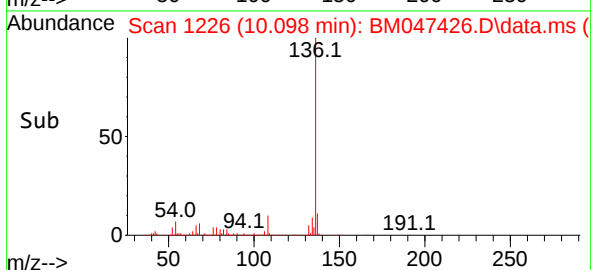
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024

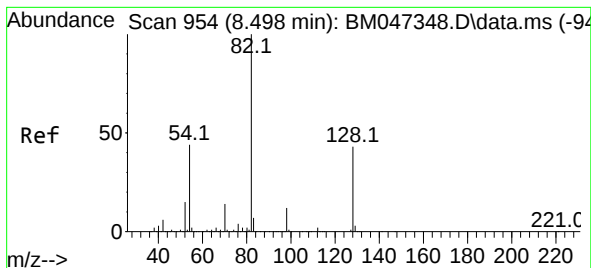


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24



Tgt Ion:136 Resp: 844577
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.6 5.2 7.8
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 85.315 ng

RT: 8.492 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

TR-04-083024

Tgt Ion: 82 Resp: 1298610

Ion Ratio Lower Upper

82 100

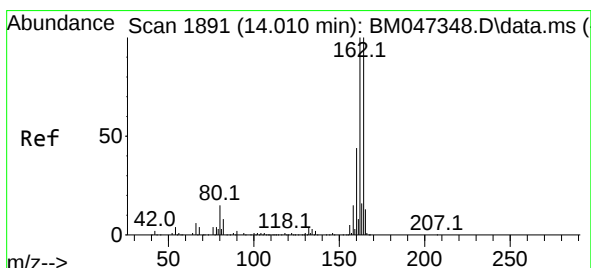
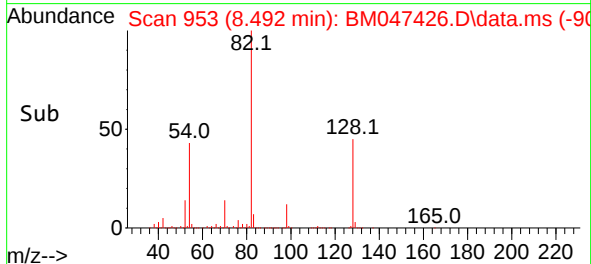
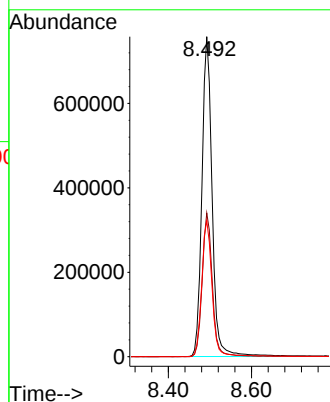
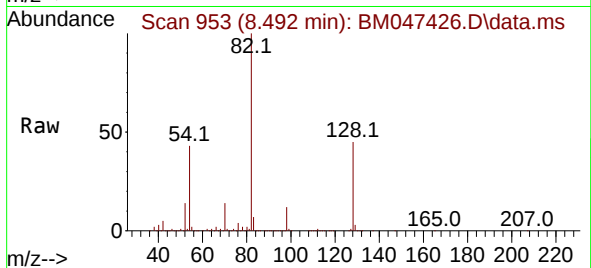
128 44.9 34.6 51.8

54 42.5 35.5 53.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.004 min Scan# 1890

Delta R.T. -0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

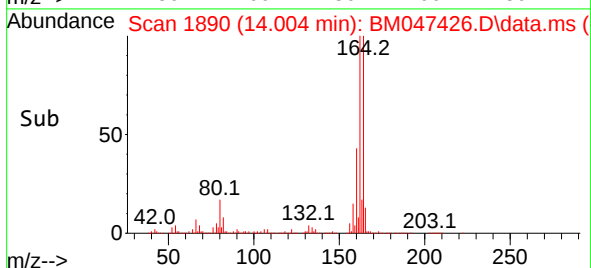
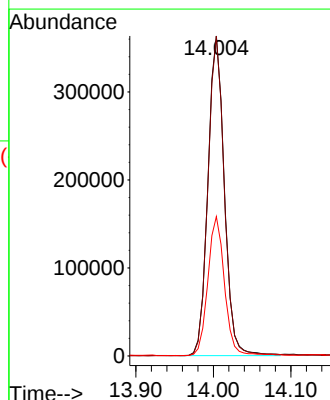
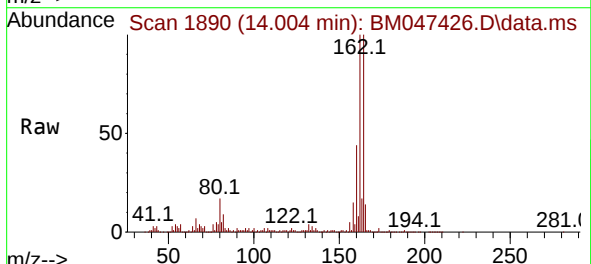
Tgt Ion:164 Resp: 535896

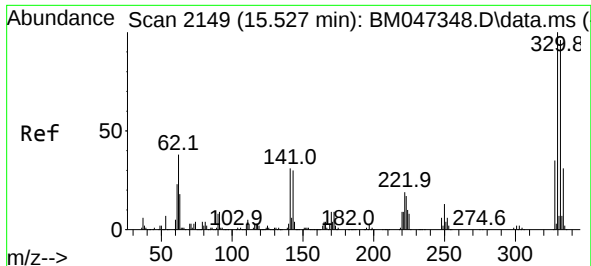
Ion Ratio Lower Upper

164 100

162 99.9 79.7 119.5

160 43.6 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 119.916 ng
RT: 15.521 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

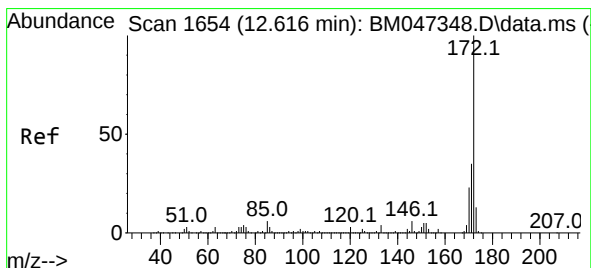
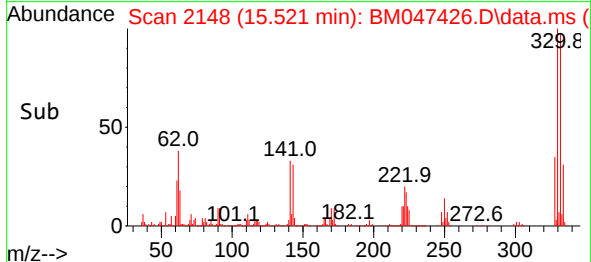
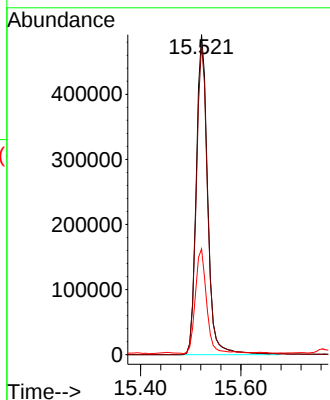
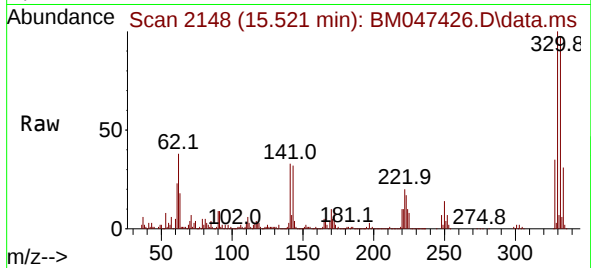
TR-04-083024

Tgt Ion:330 Resp: 775319
Ion Ratio Lower Upper
330 100
332 96.1 77.2 115.8
141 32.7 27.6 41.4

Manual Integrations

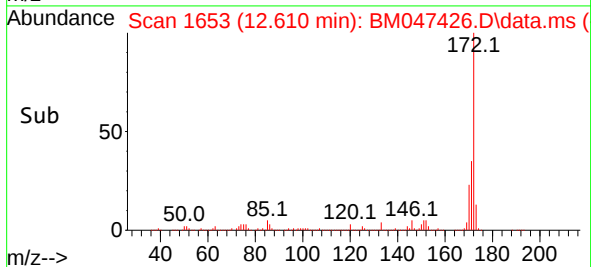
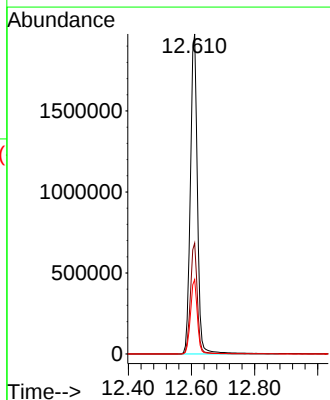
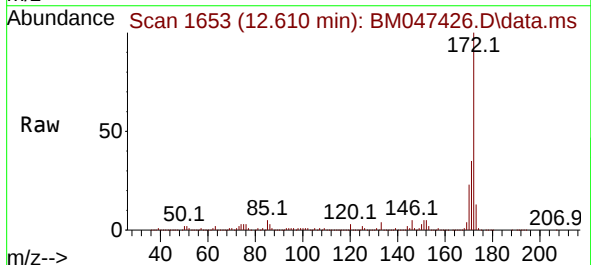
APPROVED

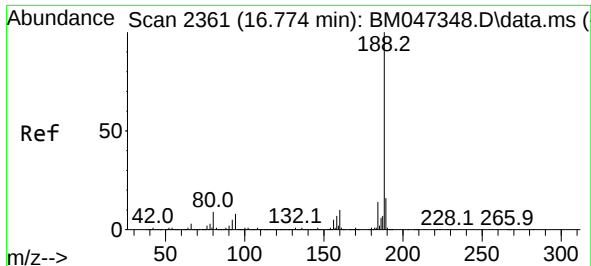
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#45
2-Fluorobiphenyl
Concen: 88.061 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

Tgt Ion:172 Resp: 3071378
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.3 18.5 27.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

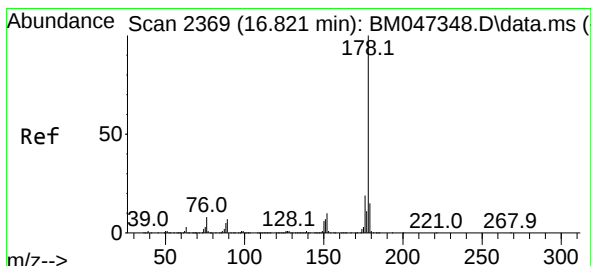
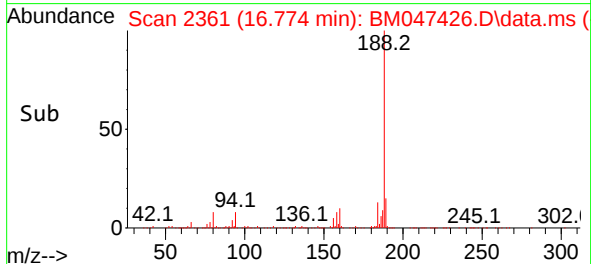
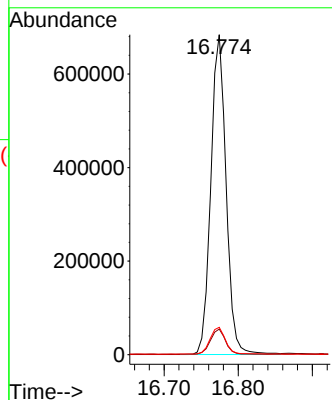
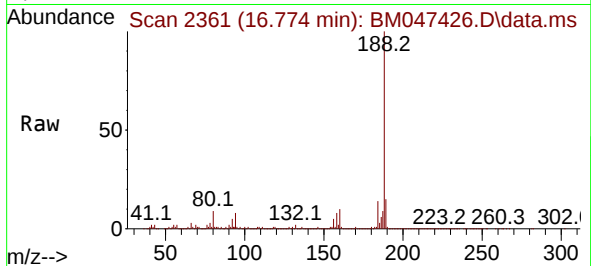
TR-04-083024

Tgt Ion:188 Resp: 978358
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.6 7.4 11.2

Manual Integrations

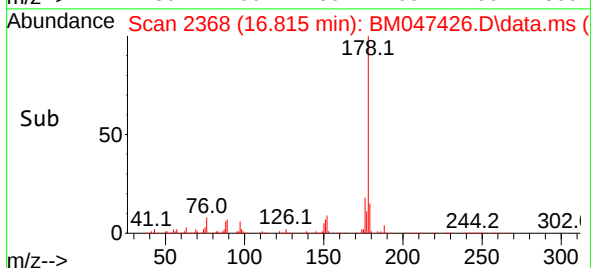
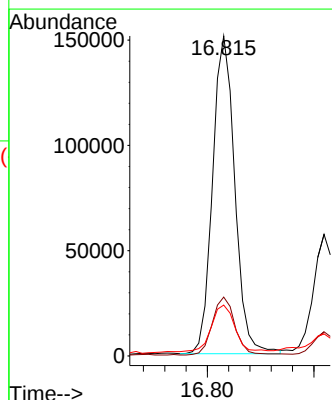
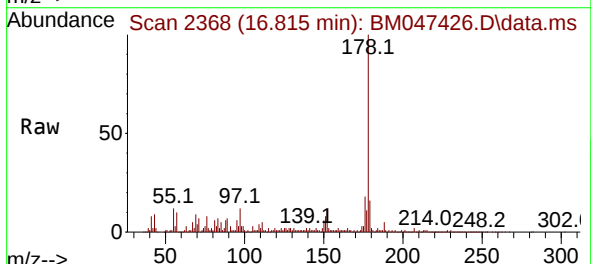
APPROVED

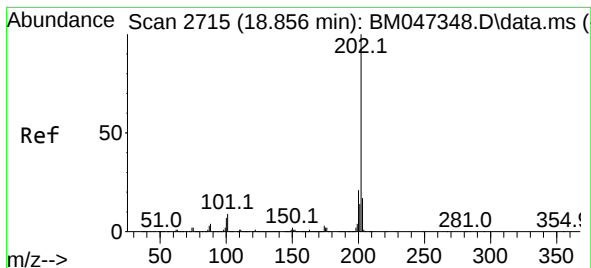
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#71
Phenanthrene
Concen: 4.599 ng
RT: 16.815 min Scan# 2368
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

Tgt Ion:178 Resp: 218524
Ion Ratio Lower Upper
178 100
176 18.4 15.2 22.8
179 15.9 12.2 18.4





#75

Fluoranthene

Concen: 9.276 ng

RT: 18.851 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

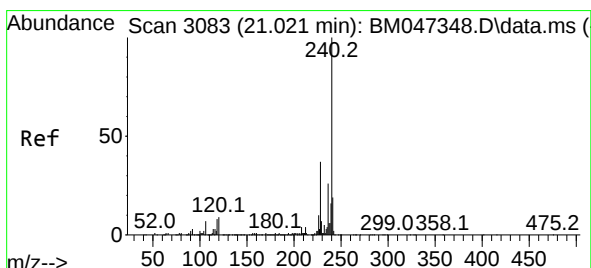
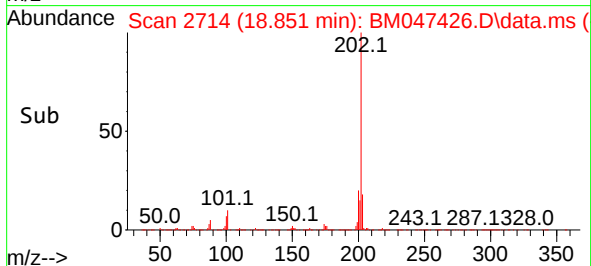
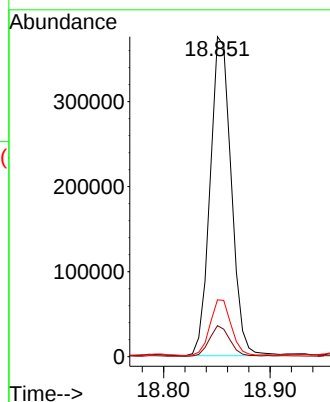
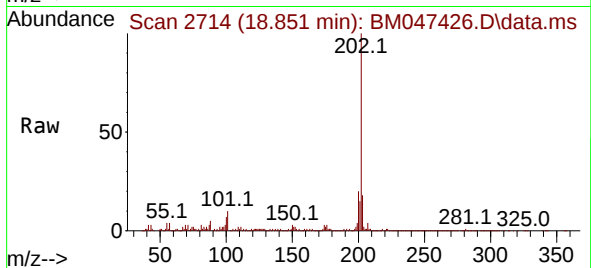
TR-04-083024

Tgt Ion:	202	Resp:	51751
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	29.0
203	17.8	0.0	37.5

Manual Integrations

APPROVED

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#76

Chrysene-d12

Concen: 20.000 ng

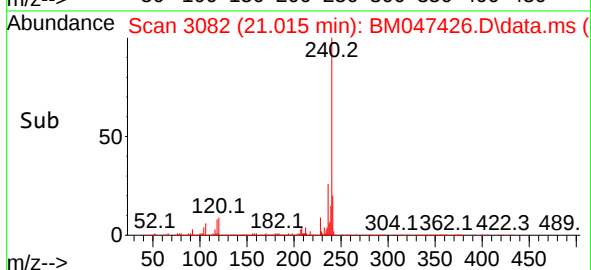
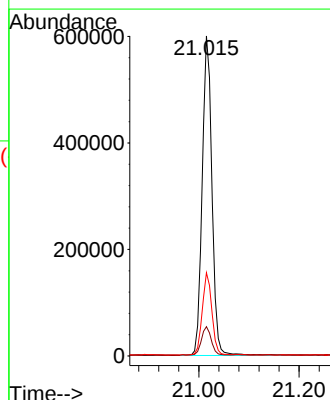
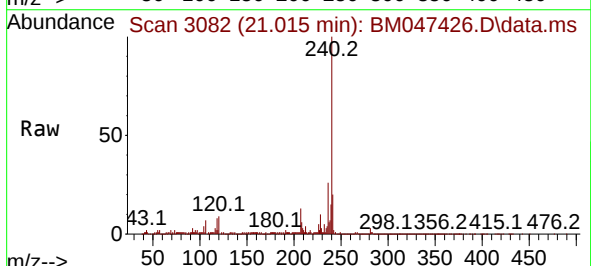
RT: 21.015 min Scan# 3082

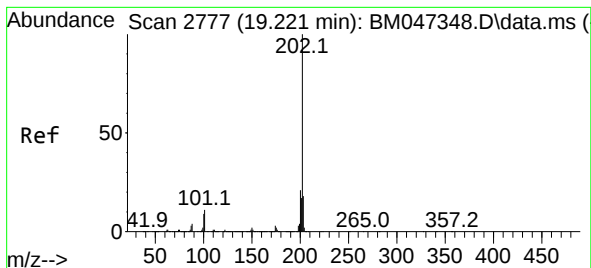
Delta R.T. -0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Tgt Ion:	240	Resp:	809863
Ion Ratio	Lower	Upper	
240	100		
120	9.2	7.4	11.0
236	26.0	20.8	31.2





#78

Pyrene

Concen: 8.825 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

TR-04-083024

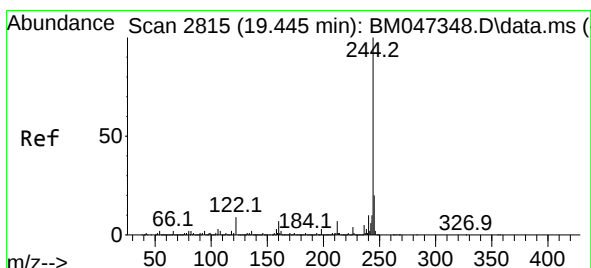
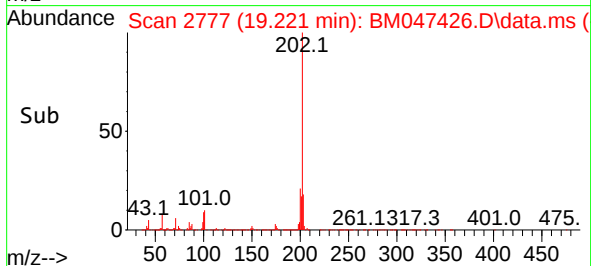
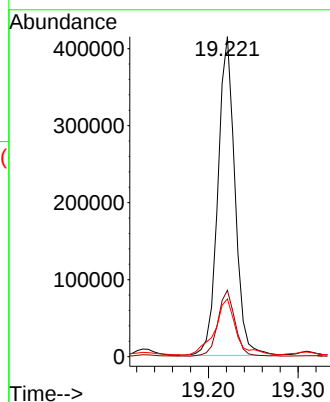
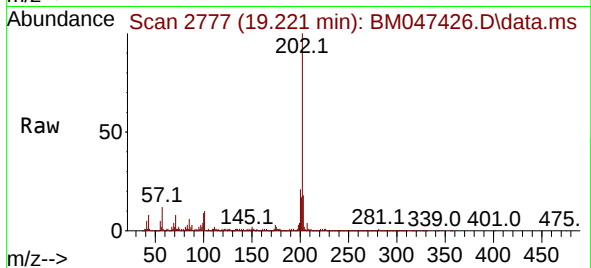
Tgt Ion:202 Resp: 54814

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	18.1	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#79

Terphenyl-d14

Concen: 78.964 ng

RT: 19.439 min Scan# 2814

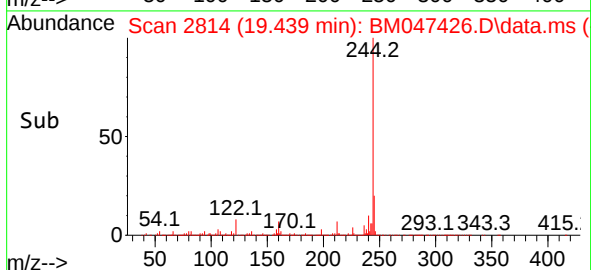
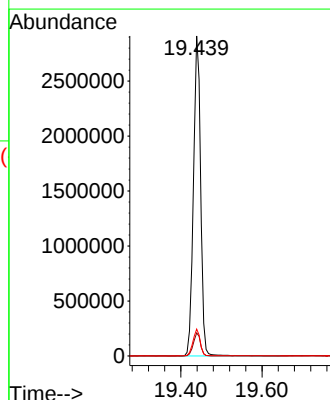
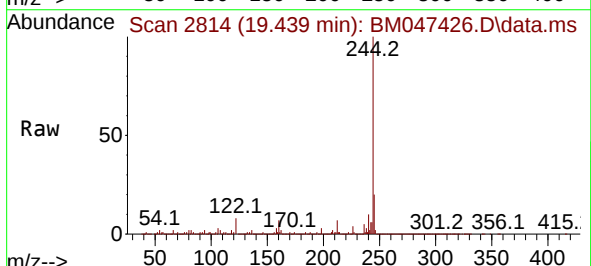
Delta R.T. -0.006 min

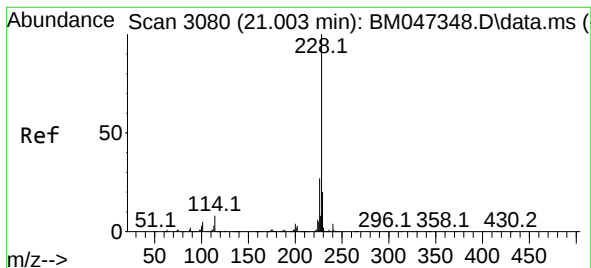
Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Tgt Ion:244 Resp: 3592773

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	8.4	7.0	10.4





#81

Benzo(a)anthracene

Concen: 5.681 ng

RT: 20.997 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

TR-04-083024

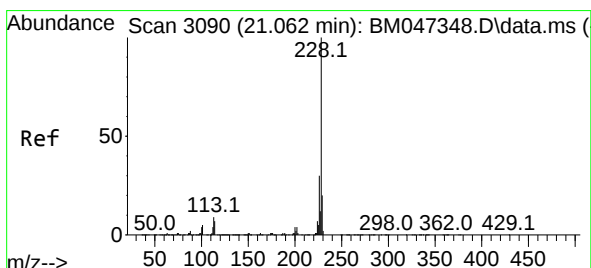
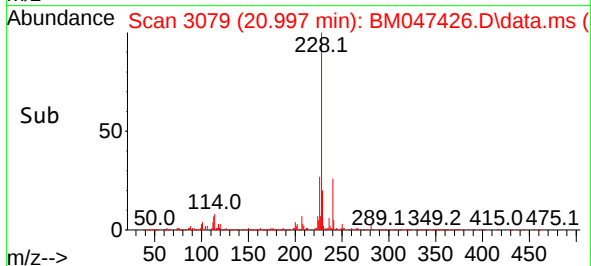
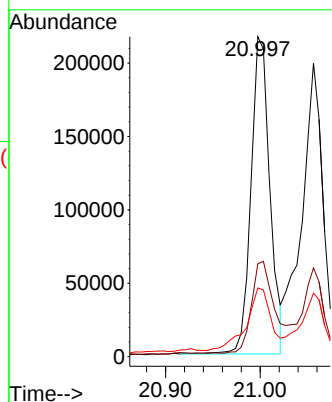
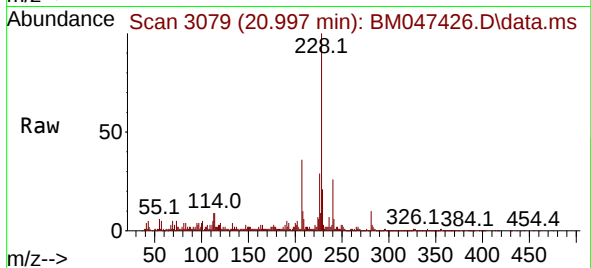
Tgt Ion:228 Resp: 300049

Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.4	32.0
229	21.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#83

Chrysene

Concen: 6.286 ng

RT: 21.056 min Scan# 3089

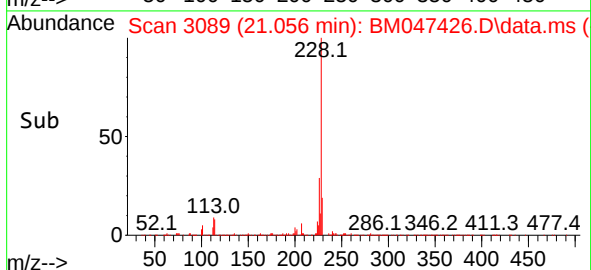
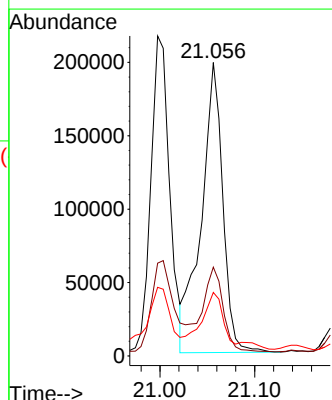
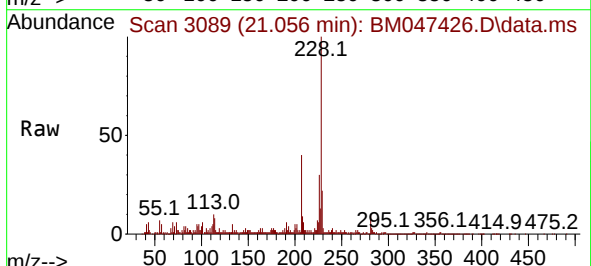
Delta R.T. -0.006 min

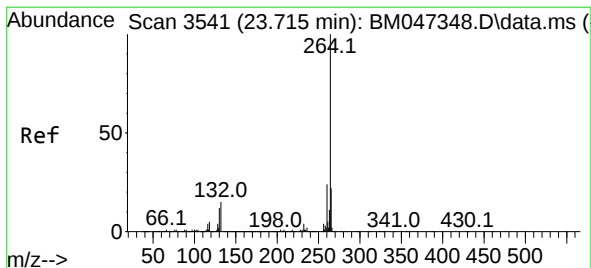
Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Tgt Ion:228 Resp: 312294

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	21.6	15.9	23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

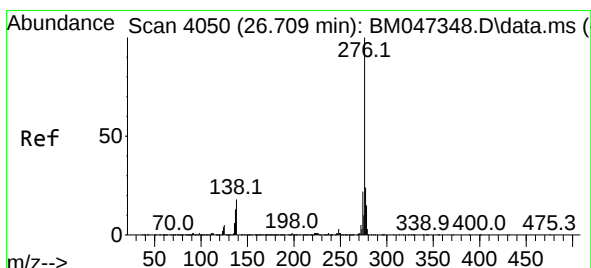
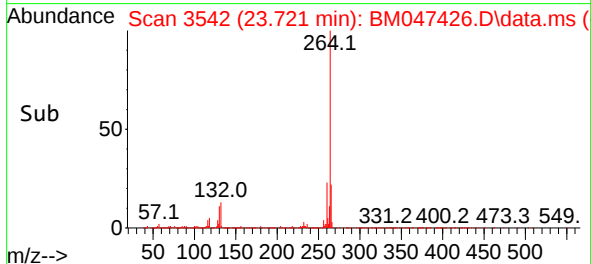
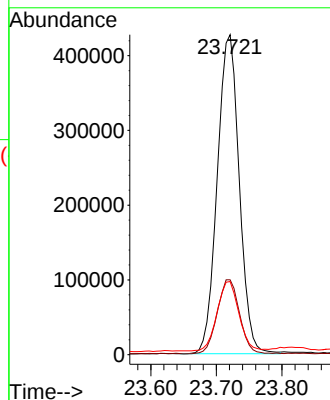
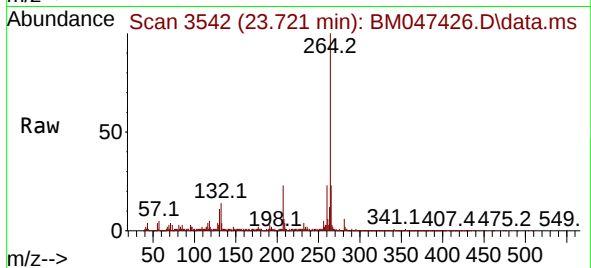
TR-04-083024

Tgt Ion:	264	Resp:	991570
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.0	28.4
265	22.9	17.8	26.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.892 ng

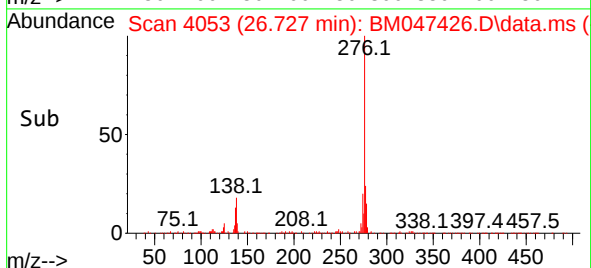
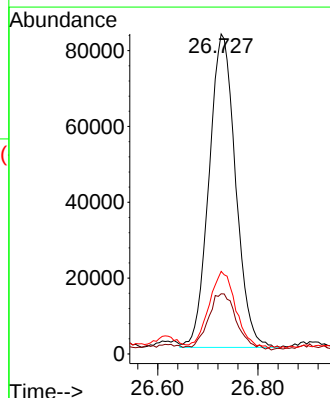
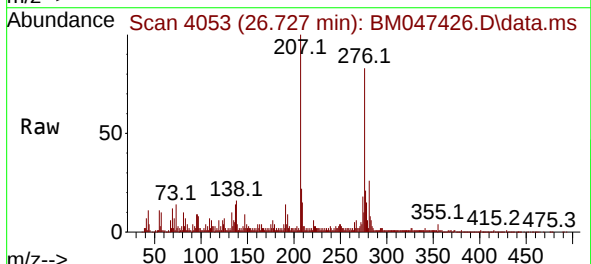
RT: 26.727 min Scan# 4053

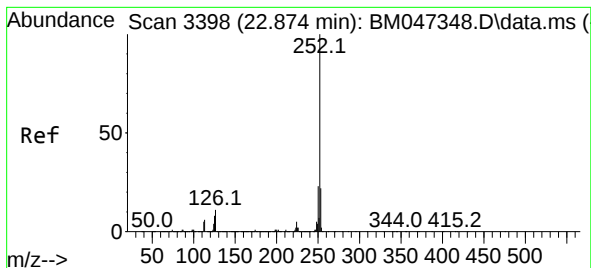
Delta R.T. 0.018 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Tgt Ion:	276	Resp:	303655
Ion Ratio	Lower	Upper	
276	100		
138	19.6	17.7	26.5
277	24.7	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 7.883 ng

RT: 22.880 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNM

ClientSampleId :

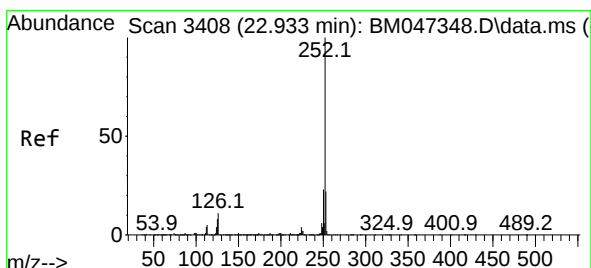
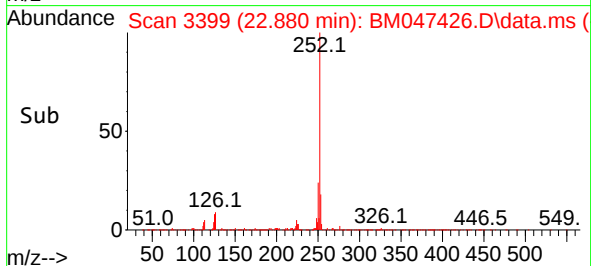
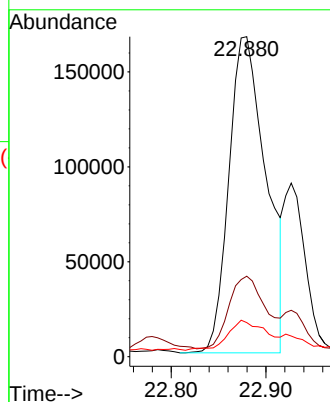
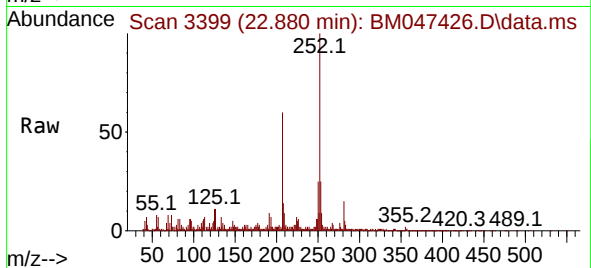
TR-04-083024

Tgt Ion:	252	Resp:	456058
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.8	26.6
125	10.7	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#89

Benzo(k)fluoranthene

Concen: 2.486 ng m

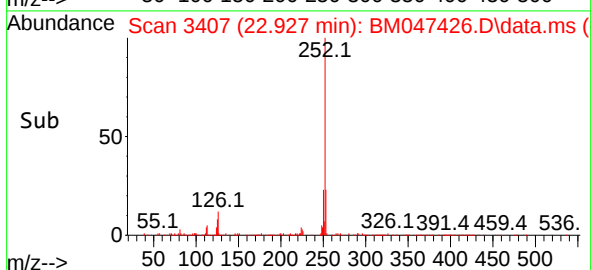
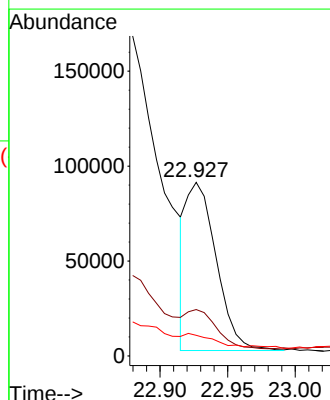
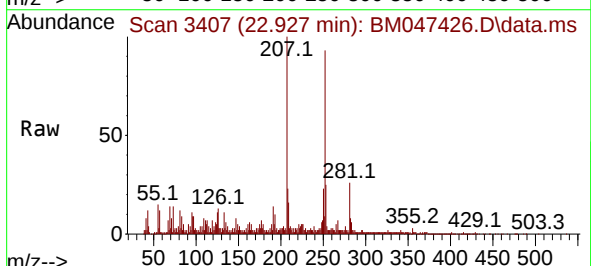
RT: 22.927 min Scan# 3407

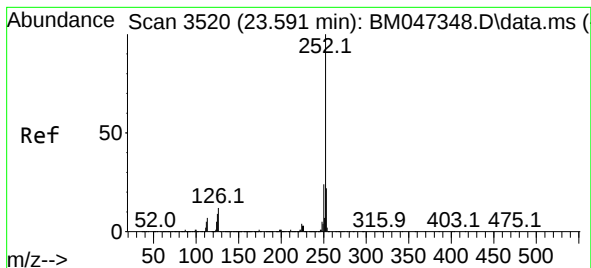
Delta R.T. -0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Tgt Ion:	252	Resp:	136331
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.5	26.3#
125	11.9	6.6	9.8#





#90

Benzo(a)pyrene

Concen: 7.462 ng

RT: 23.591 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

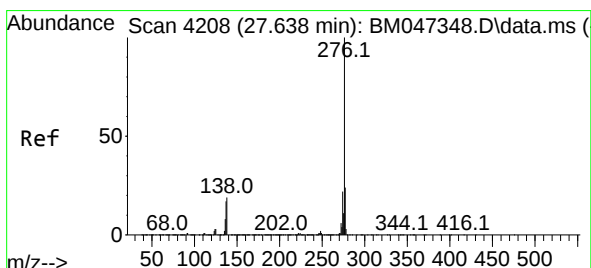
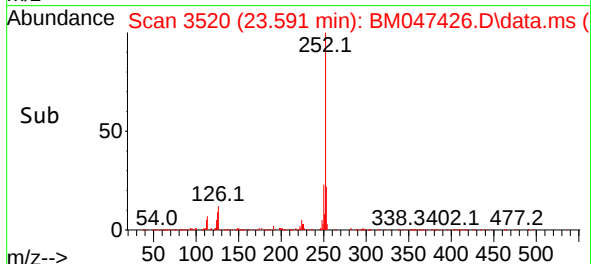
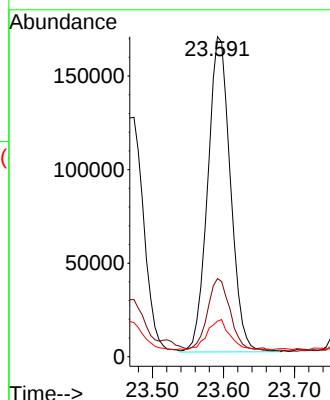
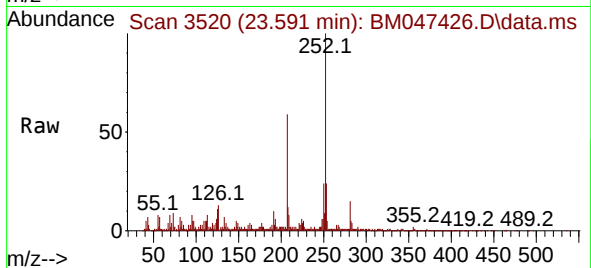
TR-04-083024

Tgt Ion:	252	Resp:	37328
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.7	26.5
125	11.1	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#92

Benzo(g,h,i)perylene

Concen: 6.696 ng

RT: 27.668 min Scan# 4213

Delta R.T. 0.029 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Tgt Ion:	276	Resp:	350058
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.4	29.0
138	19.2	15.0	22.6

