

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042443.D
 Acq On : 25 Oct 2023 18:26
 Operator : MA/JU
 Sample : 05001-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 486-WC-COMP

Quant Time: Oct 25 18:55:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	159007	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	655743	20.000	ng	-0.01
39) Acenaphthene-d10	14.633	164	397328	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	863274	20.000	ng	-0.01
76) Chrysene-d12	21.562	240	797961	20.000	ng	-0.02
86) Perylene-d12	24.027	264	827821	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	430745	38.286	ng	0.00
7) Phenol-d6	7.140	99	582600	38.641	ng	-0.01
23) Nitrobenzene-d5	9.187	82	362939	24.475	ng	-0.01
42) 2,4,6-Tribromophenol	16.127	330	196043	50.744	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	729569	24.726	ng	-0.01
79) Terphenyl-d14	19.998	244	1080393	24.012	ng	-0.01
Target Compounds						
						Qvalue
32) Benzoic acid	10.039	122	1631	5.517	ng	# 42
35) Caprolactam	11.839	113	53	5.942	ng	# 13
48) 2-Nitroaniline	13.745	65	61	3.645	ng	# 13
51) 2,6-Dinitrotoluene	14.098	165	57	2.896	ng	# 31
57) 2,4-Dinitrotoluene	15.022	165	54	4.069	ng	# 19
62) 4-Nitroaniline	15.998	138	305	3.839	ng	89
71) Phenanthrene	17.427	178	197424	4.204	ng	99
74) Di-n-butylphthalate	18.327	149	4967	2.902	ng	# 96
75) Fluoranthene	19.439	202	308956	5.973	ng	98
78) Pyrene	19.804	202	241799	4.336	ng	99
80) Butylbenzylphthalate	20.686	149	1863	3.327	ng	# 64
81) Benzo(a)anthracene	21.550	228	124609	2.329	ng	99
83) Chrysene	21.603	228	108352	2.109	ng	96
84) Bis(2-ethylhexyl)phtha...	21.427	149	8902	3.599	ng	# 92
85) Di-n-octyl phthalate	22.409	149	5339	4.297	ng	# 18
88) Benzo(b)fluoranthene	23.262	252	124413	2.497	ng	# 94
89) Benzo(k)fluoranthene	23.262	252	124413	2.405	ng	94

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

BNA M

ClientSampleId :
486-WC-COMP

TIC: BM042443.D\data.ms

Abundance

Time-->

2-Fluorophenol, S

Phenol-d6, S

1,4-Dichlorobenzene-d4, I

Nitrobenzene-d5, S

Benzoic acid

Caprolactam

2-Nitroaniline

2,6-Dinitrotoluene

2,4-Dinitrotoluene

4-Nitroaniline

Phenanthrene

DFT-BuPhthalate

Phenanthrene-d10, I

2,4,6-Tribromophenol, S

Fluoranthene, C

Pyrene

Butylbenzylphthalate

Bis(2-ethylhexyl)phthalate

Chrysene

Di-n-octyl phthalate, c

Benzo(b)fluoranthene

Perylene-d12, I

Terphenyl-d14, S

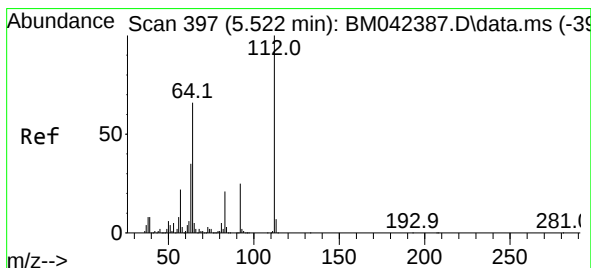
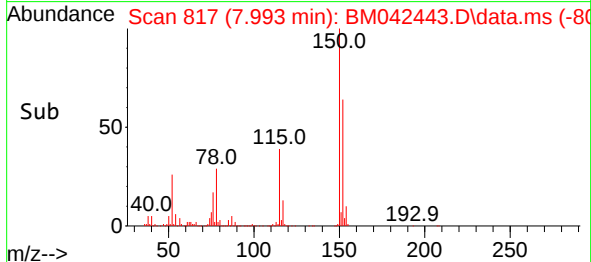
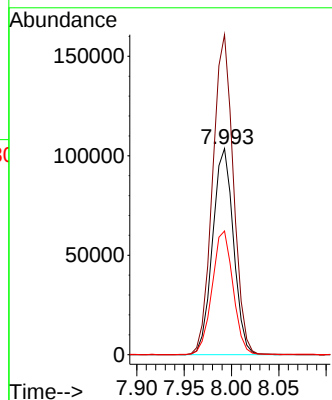
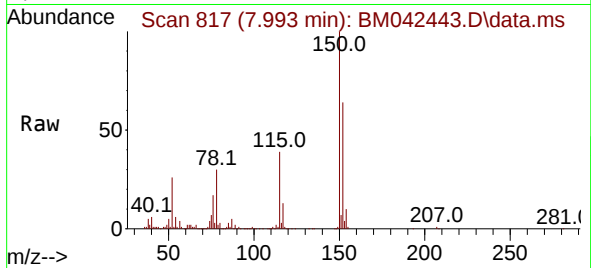
Chrysene-d12, I



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.993 min Scan# 81
Delta R.T. -0.005 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

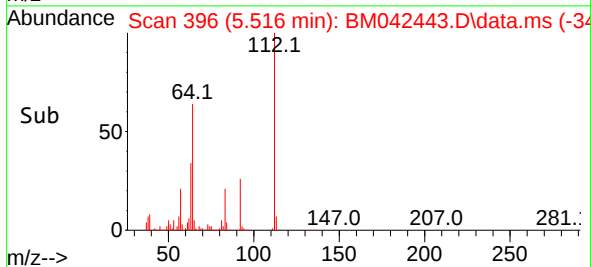
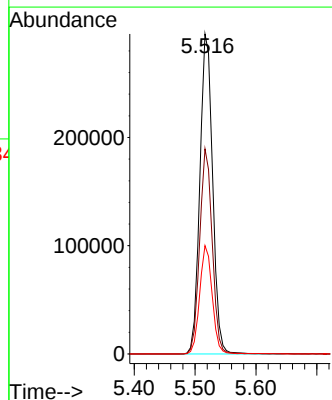
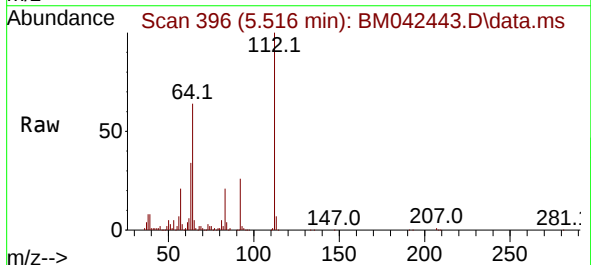
Instrument :
BNA_M
ClientSampleId :
486-WC-COMP

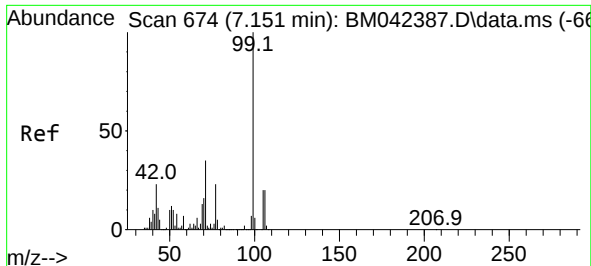
Tgt Ion:152 Resp: 159007
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.4
115 60.0 51.9 77.9



#5
2-Fluorophenol
Concen: 38.286 ng
RT: 5.516 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

Tgt Ion:112 Resp: 430745
Ion Ratio Lower Upper
112 100
64 64.1 52.7 79.1
63 33.9 28.3 42.5

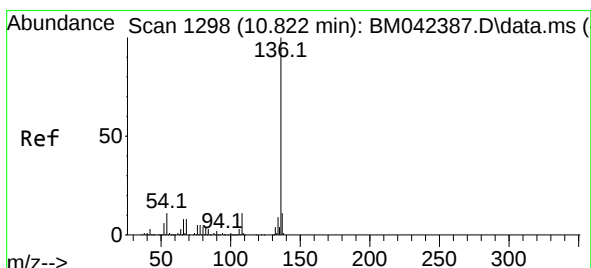
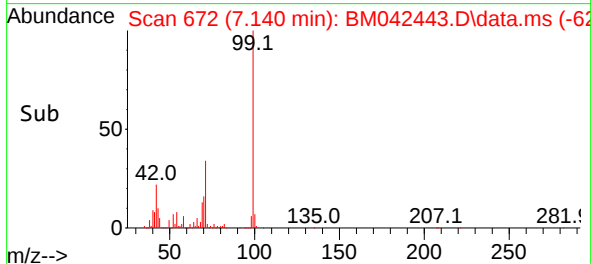
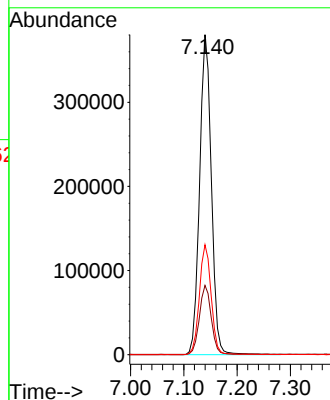
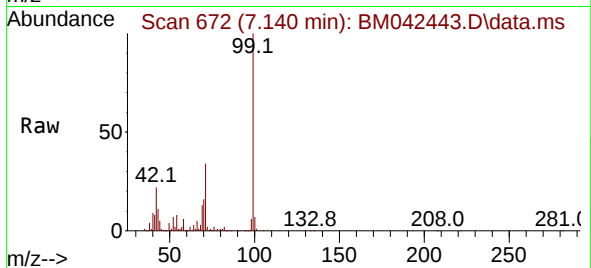




#7
Phenol-d6
Concen: 38.641 ng
RT: 7.140 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

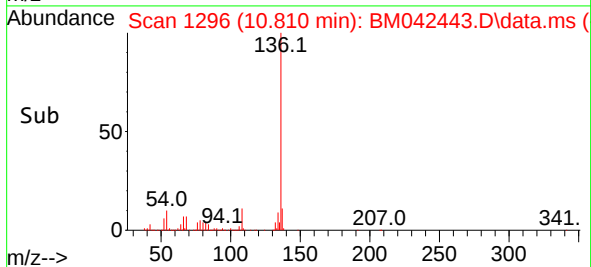
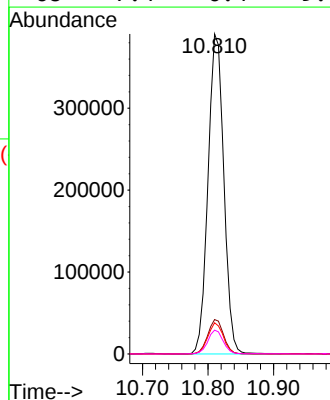
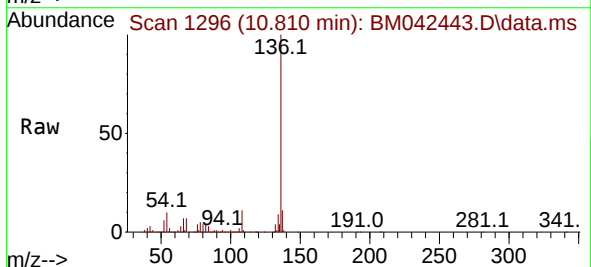
Instrument :
BNA_M
ClientSampleId :
486-WC-COMP

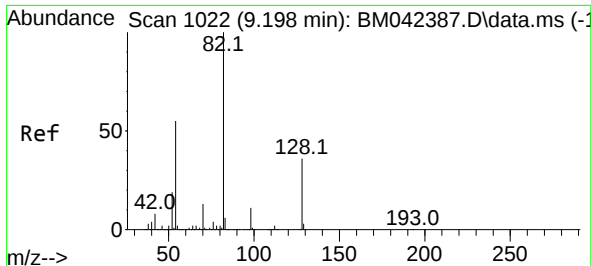
Tgt Ion: 99 Resp: 582600
Ion Ratio Lower Upper
99 100
42 21.7 18.5 27.7
71 34.4 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

Tgt Ion: 136 Resp: 655743
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 9.8 8.6 12.8
68 7.4 6.4 9.6

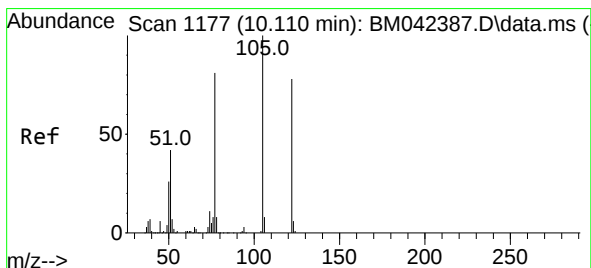
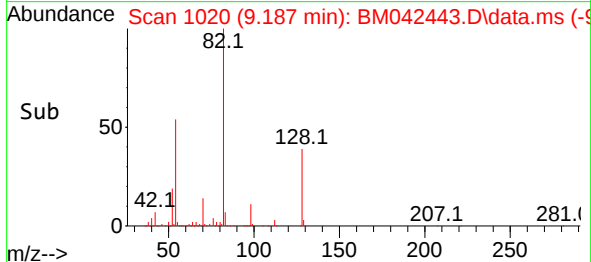
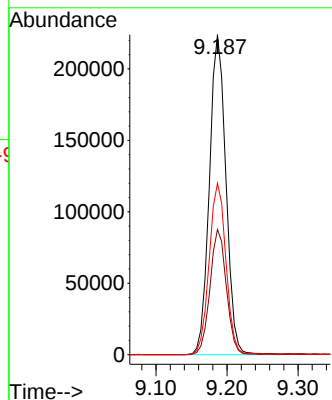
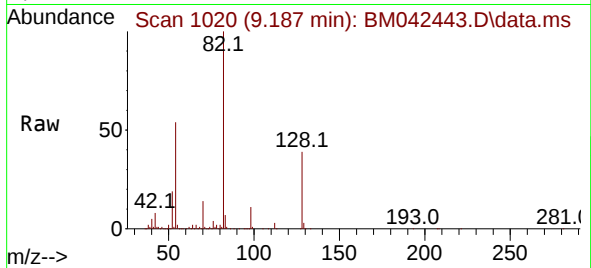




#23
Nitrobenzene-d5
Concen: 24.475 ng
RT: 9.187 min Scan# 1105
Delta R.T. -0.012 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

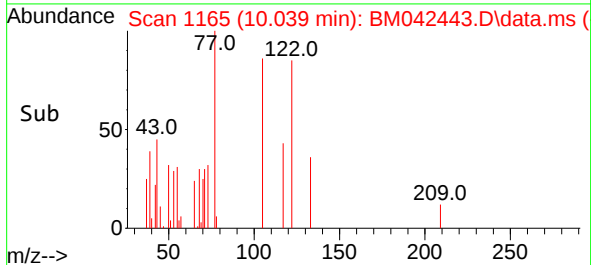
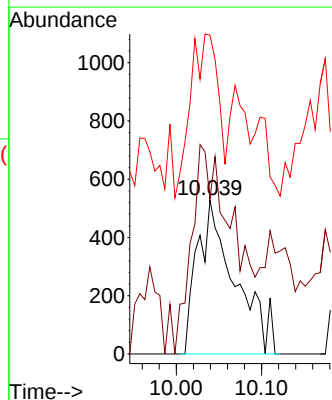
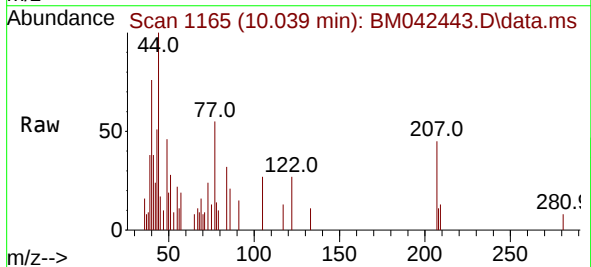
Instrument :
BNA_M
ClientSampleId :
486-WC-COMP

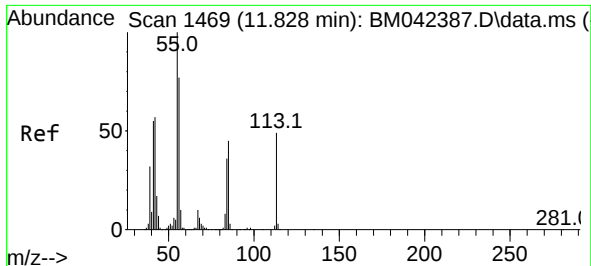
Tgt Ion: 82 Resp: 362939
Ion Ratio Lower Upper
82 100
128 39.1 29.0 43.6
54 53.5 43.7 65.5



#32
Benzoic acid
Concen: 5.517 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

Tgt Ion:122 Resp: 1631
Ion Ratio Lower Upper
122 100
105 100.6 104.9 144.9#
77 207.0 83.4 123.4#

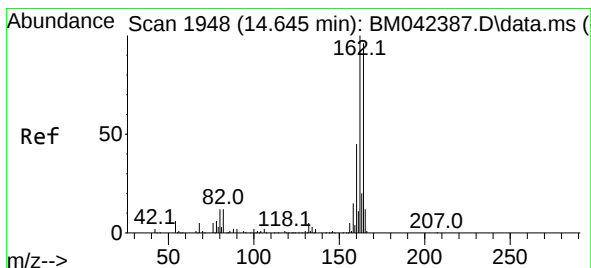
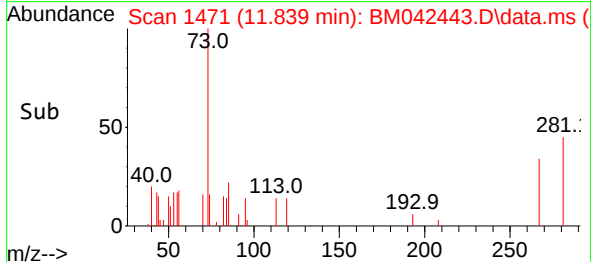
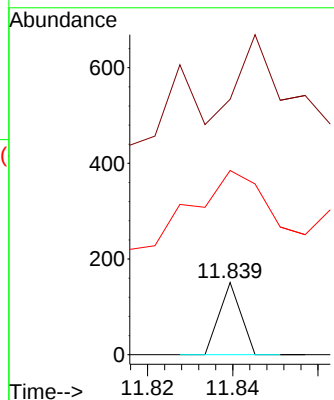
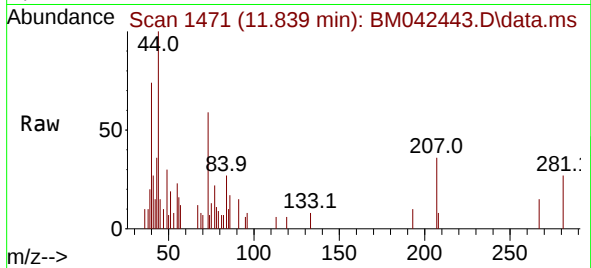




#35
 Caprolactam
 Concen: 5.942 ng
 RT: 11.839 min Scan# 1469
 Delta R.T. 0.011 min
 Lab File: BM042443.D
 Acq: 25 Oct 2023 18:26

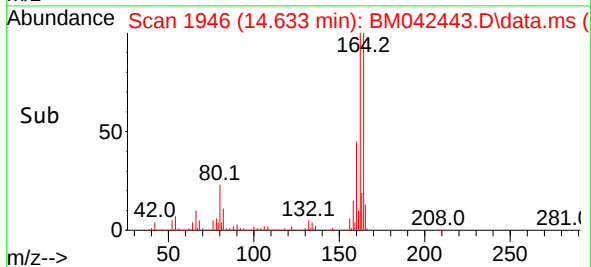
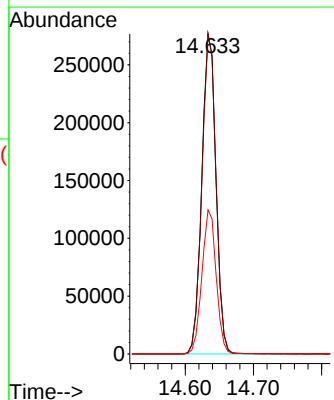
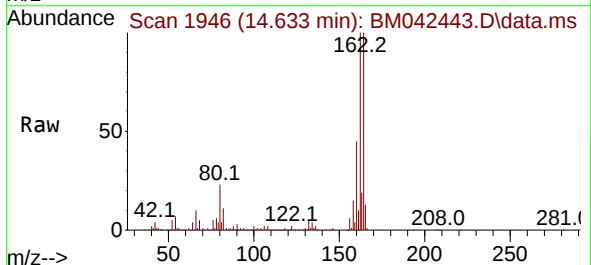
Instrument :
 BNA_M
 ClientSampleId :
 486-WC-COMP

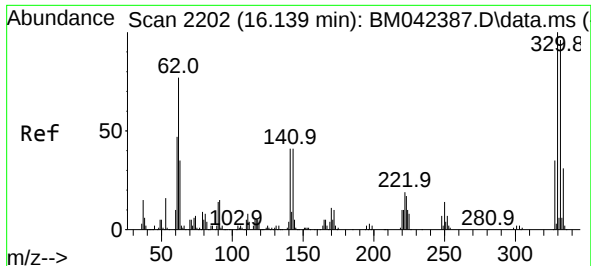
Tgt Ion:113 Resp: 53
 Ion Ratio Lower Upper
 113 100
 55 353.6 185.6 225.6#
 56 255.0 137.8 177.8#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.633 min Scan# 1946
 Delta R.T. -0.012 min
 Lab File: BM042443.D
 Acq: 25 Oct 2023 18:26

Tgt Ion:164 Resp: 397328
 Ion Ratio Lower Upper
 164 100
 162 100.0 83.0 124.4
 160 45.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 50.744 ng

RT: 16.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM042443.D

Acq: 25 Oct 2023 18:26

Instrument :

BNA_M

ClientSampleId :

486-WC-COMP

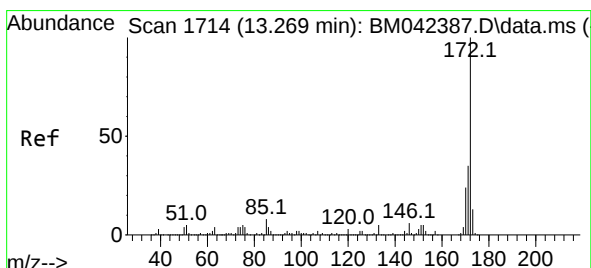
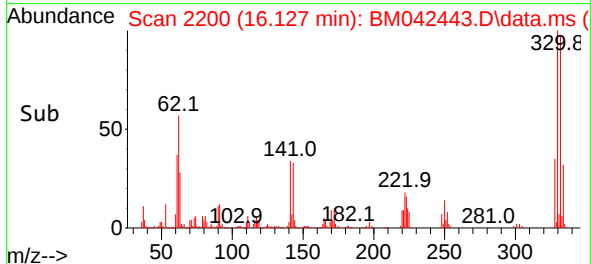
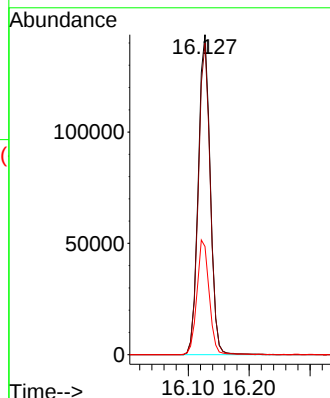
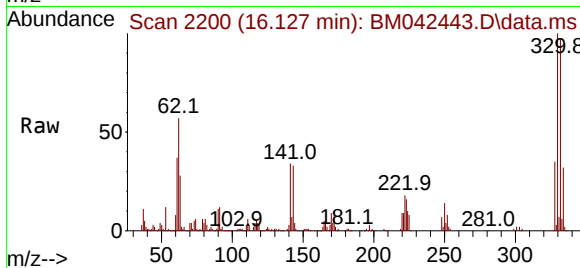
Tgt Ion:330 Resp: 196043

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 36.7 38.0 57.0#



#45

2-Fluorobiphenyl

Concen: 24.726 ng

RT: 13.257 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BM042443.D

Acq: 25 Oct 2023 18:26

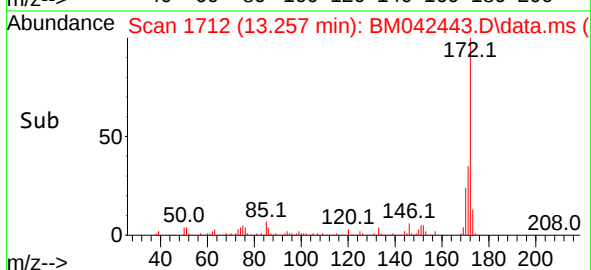
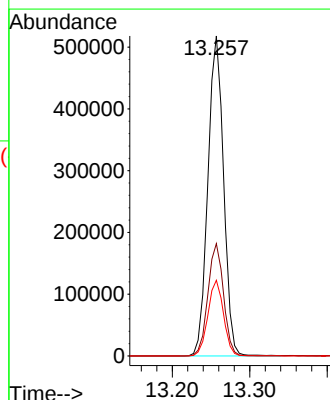
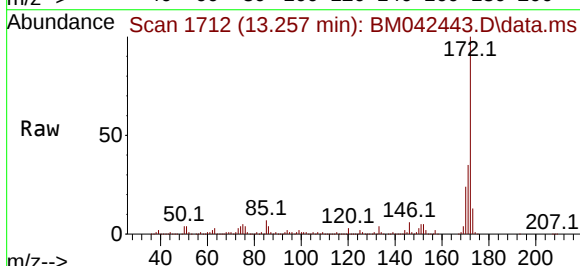
Tgt Ion:172 Resp: 729569

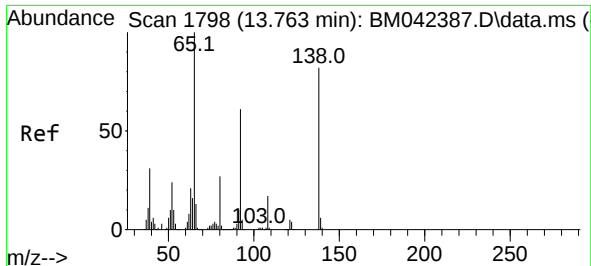
Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.7 18.9 28.3

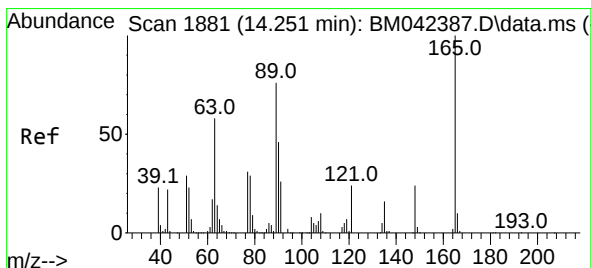
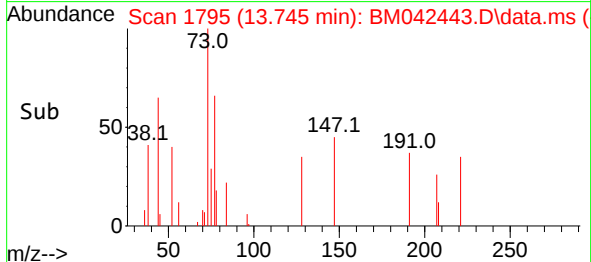
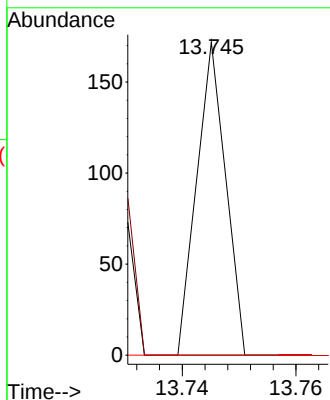
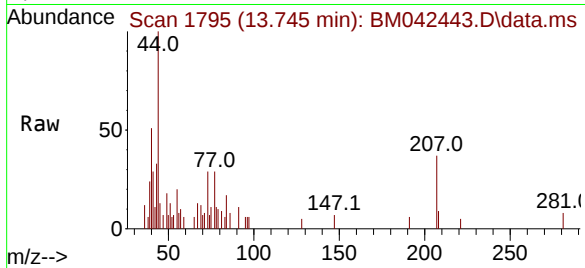




#48
2-Nitroaniline
Concen: 3.645 ng
RT: 13.745 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

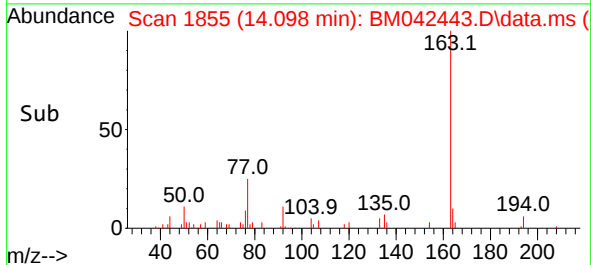
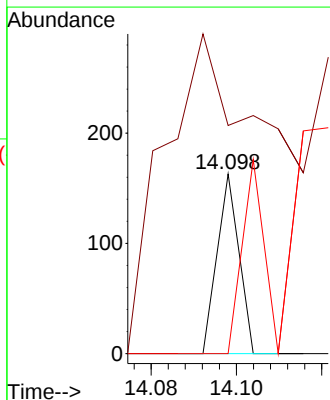
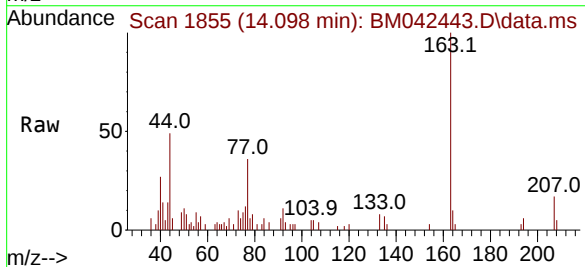
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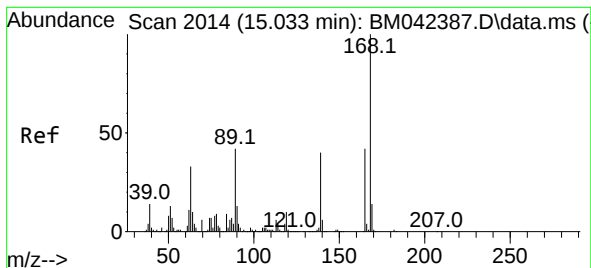
Tgt Ion: 65 Resp: 61
Ion Ratio Lower Upper
65 100
92 0.0 49.0 73.6#
138 0.0 65.5 98.3#



#51
2,6-Dinitrotoluene
Concen: 2.896 ng
RT: 14.098 min Scan# 1855
Delta R.T. -0.153 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

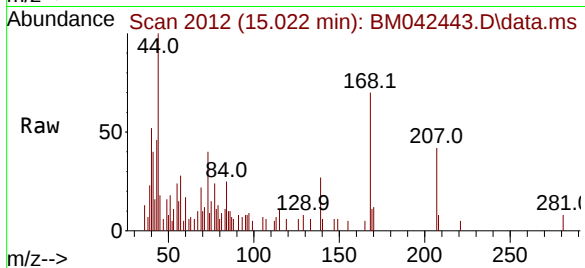
Tgt Ion: 165 Resp: 57
Ion Ratio Lower Upper
165 100
63 127.0 65.3 97.9#
89 0.0 60.6 91.0#



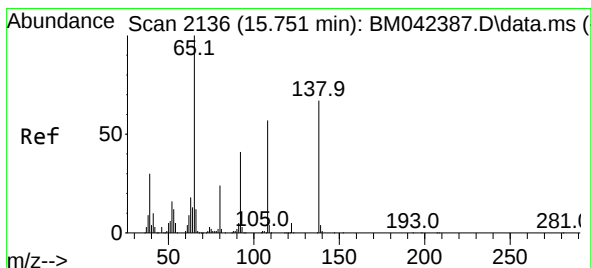
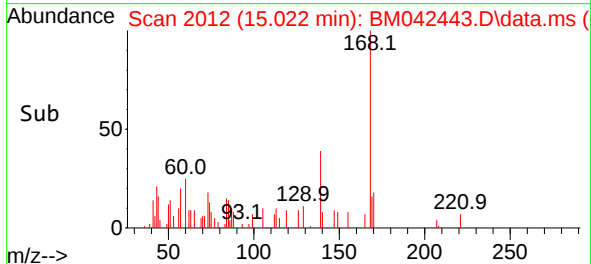
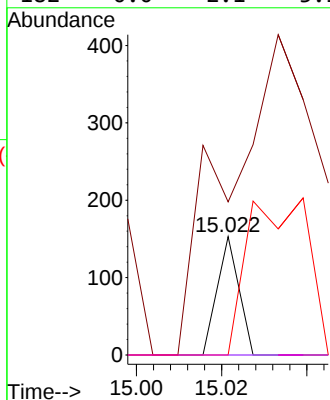


#57
2,4-Dinitrotoluene
Concen: 4.069 ng
RT: 15.022 min Scan# 2014
Delta R.T. -0.011 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

Instrument :
BNA_M
ClientSampleId :
486-WC-COMP

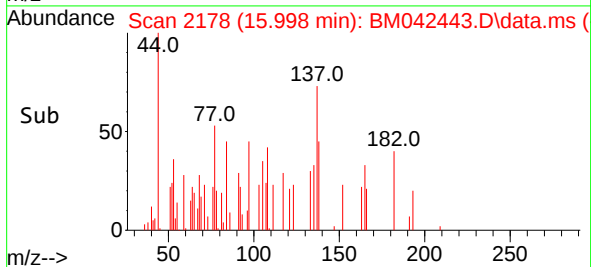
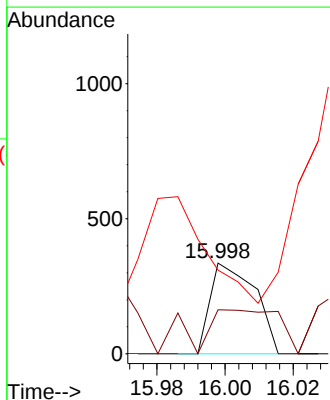
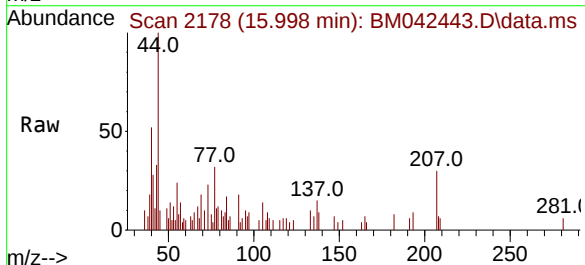


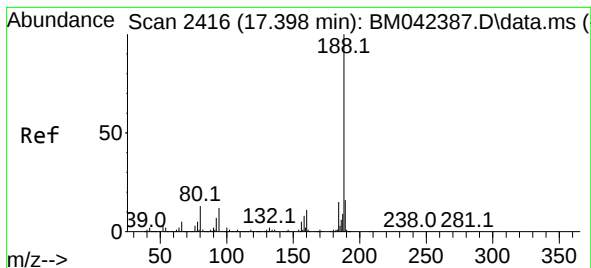
Tgt Ion:165 Resp: 54
Ion Ratio Lower Upper
165 100
63 129.4 62.9 94.3#
89 0.0 80.2 120.2#
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.839 ng
RT: 15.998 min Scan# 2178
Delta R.T. 0.247 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

Tgt Ion:138 Resp: 305
Ion Ratio Lower Upper
138 100
92 48.5 40.4 80.4
108 92.3 65.3 105.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.386 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM042443.D

Acq: 25 Oct 2023 18:26

Instrument :

BNA_M

ClientSampleId :

486-WC-COMP

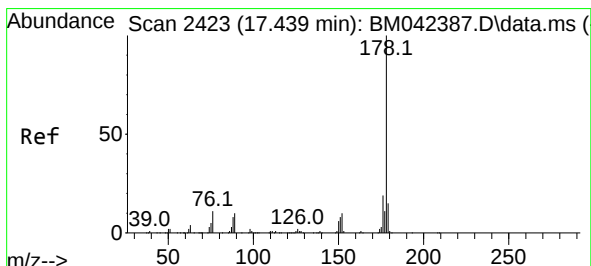
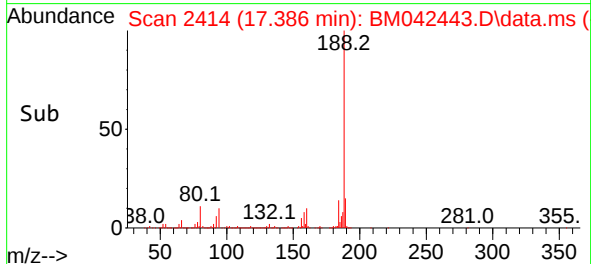
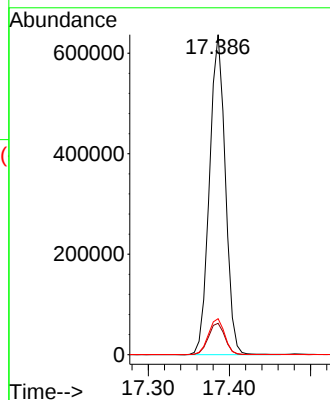
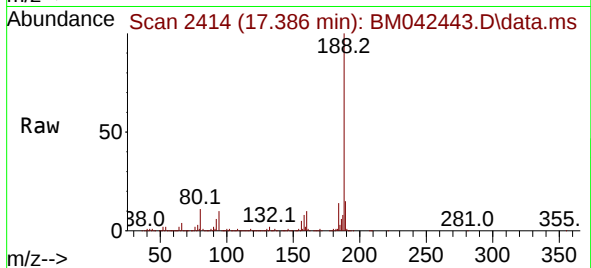
Tgt Ion:188 Resp: 863274

Ion Ratio Lower Upper

188 100

94 9.8 9.4 14.0

80 11.2 10.7 16.1



#71

Phenanthrene

Concen: 4.204 ng

RT: 17.427 min Scan# 2421

Delta R.T. -0.012 min

Lab File: BM042443.D

Acq: 25 Oct 2023 18:26

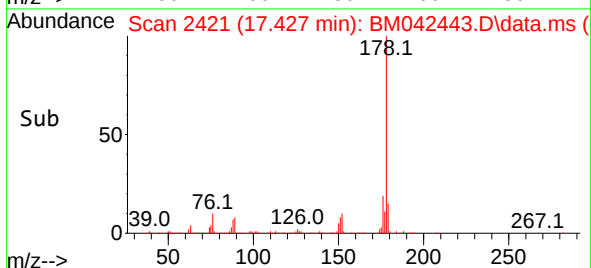
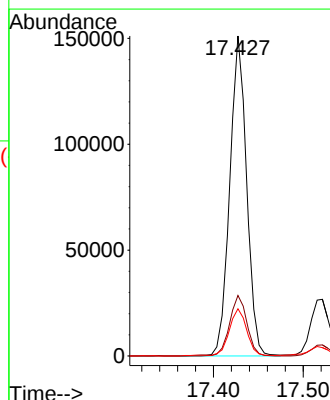
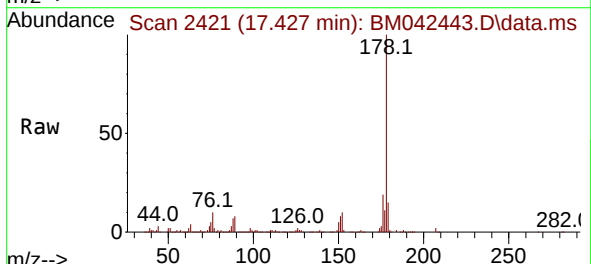
Tgt Ion:178 Resp: 197424

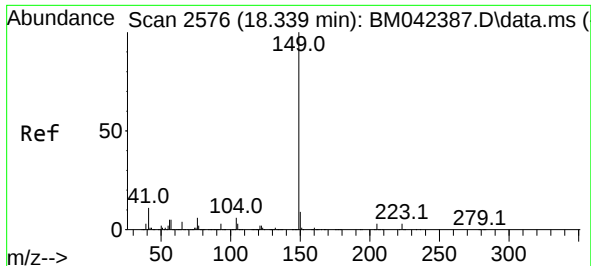
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 14.8 12.3 18.5

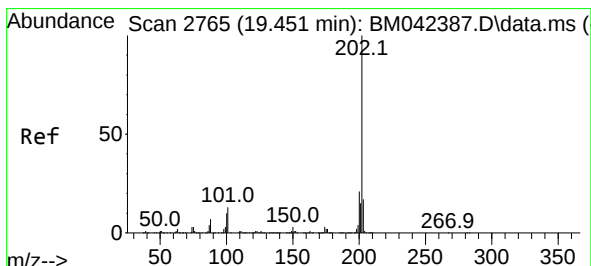
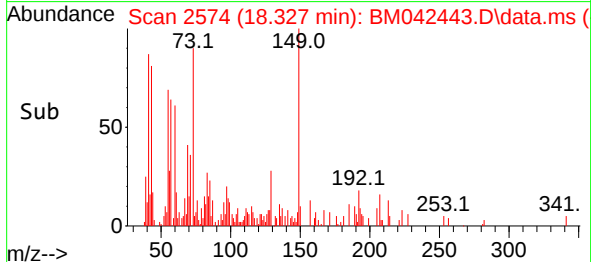
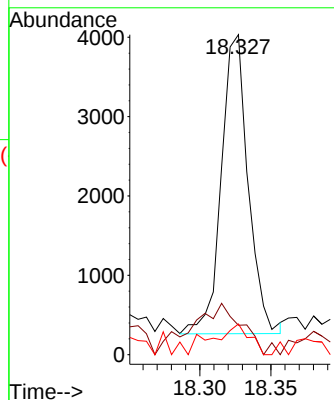
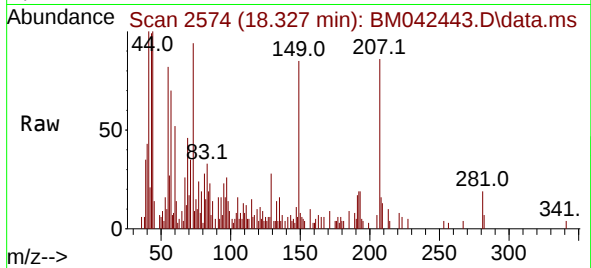




#74
Di-n-butylphthalate
Concen: 2.902 ng
RT: 18.327 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

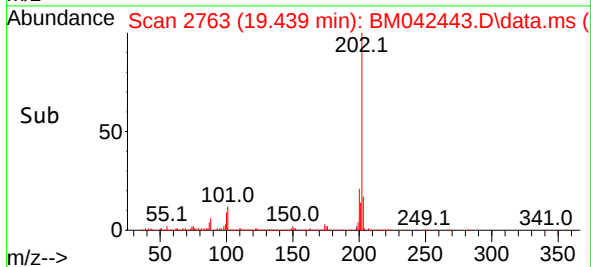
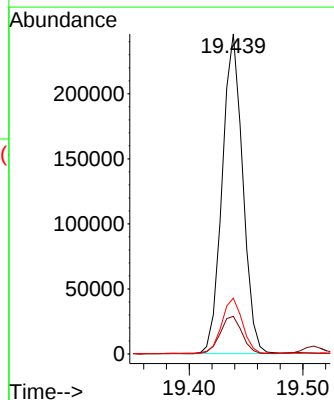
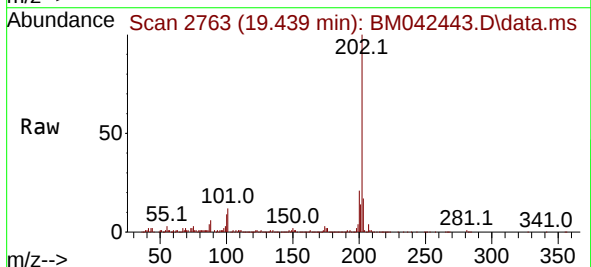
Instrument :
BNA_M
ClientSampleId :
486-WC-COMP

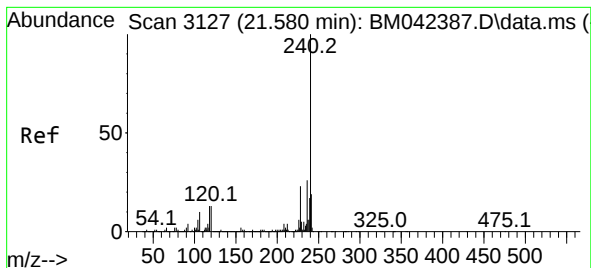
Tgt Ion:149 Resp: 4967
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 9.6 4.6 7.0#



#75
Fluoranthene
Concen: 5.973 ng
RT: 19.439 min Scan# 2763
Delta R.T. -0.012 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

Tgt Ion:202 Resp: 308956
Ion Ratio Lower Upper
202 100
101 11.8 0.0 33.3
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM042443.D

Acq: 25 Oct 2023 18:26

Instrument :

BNA_M

ClientSampleId :

486-WC-COMP

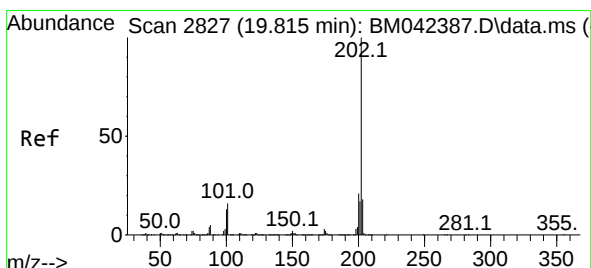
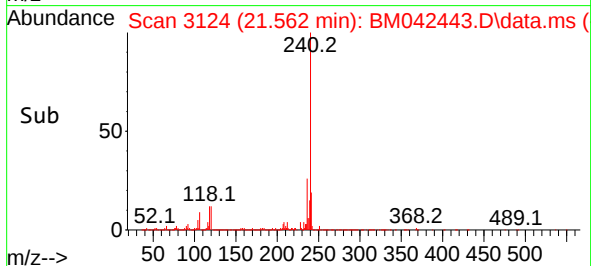
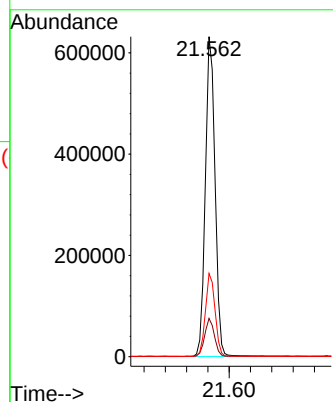
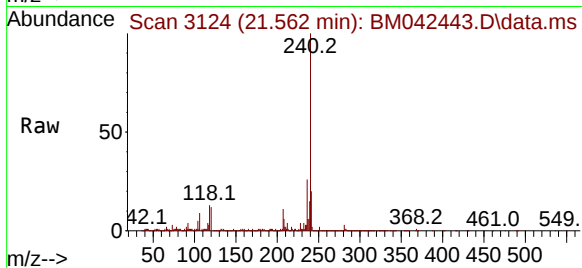
Tgt Ion:240 Resp: 797961

Ion Ratio Lower Upper

240 100

120 11.9 10.7 16.1

236 26.0 20.7 31.1



#78

Pyrene

Concen: 4.336 ng

RT: 19.804 min Scan# 2825

Delta R.T. -0.012 min

Lab File: BM042443.D

Acq: 25 Oct 2023 18:26

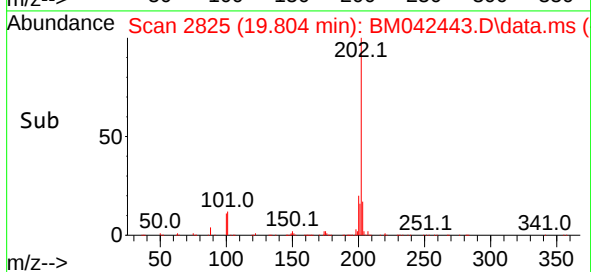
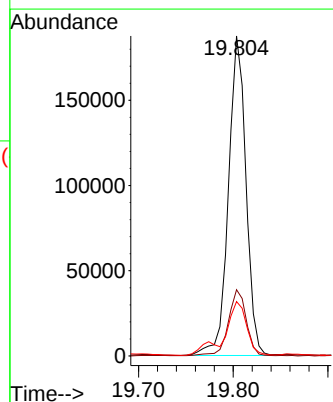
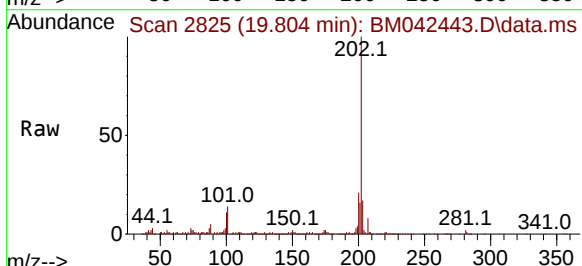
Tgt Ion:202 Resp: 241799

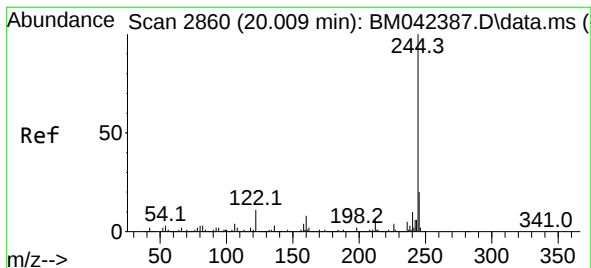
Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 17.0 14.1 21.1





#79

Terphenyl-d14

Concen: 24.012 ng

RT: 19.998 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM042443.D

Acq: 25 Oct 2023 18:26

Instrument :

BNA_M

ClientSampleId :

486-WC-COMP

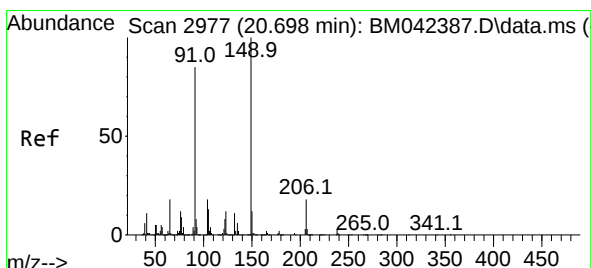
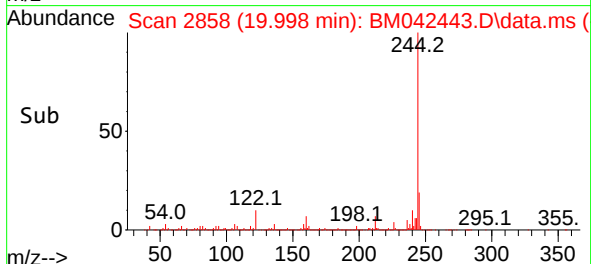
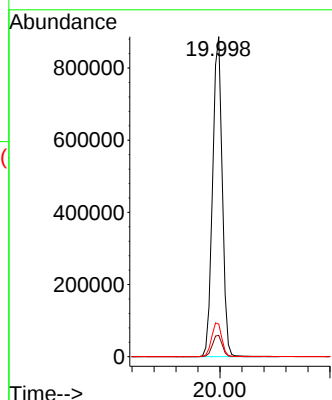
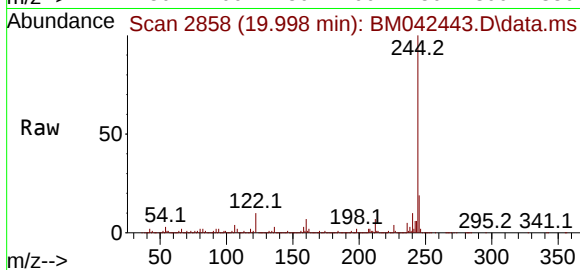
Tgt Ion:244 Resp: 1080393

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.2 8.8 13.2



#80

Butylbenzylphthalate

Concen: 3.327 ng

RT: 20.686 min Scan# 2975

Delta R.T. -0.012 min

Lab File: BM042443.D

Acq: 25 Oct 2023 18:26

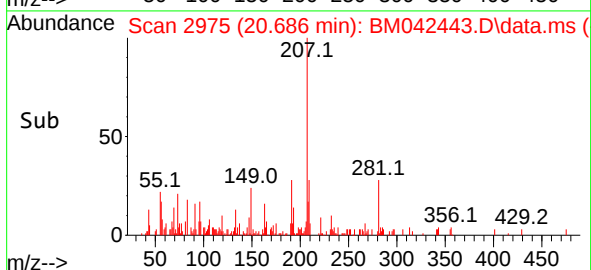
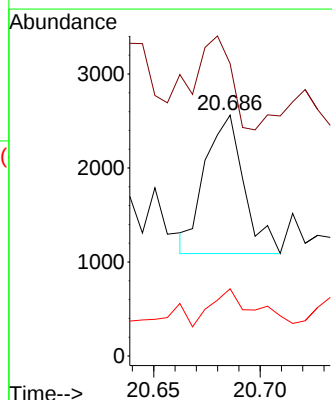
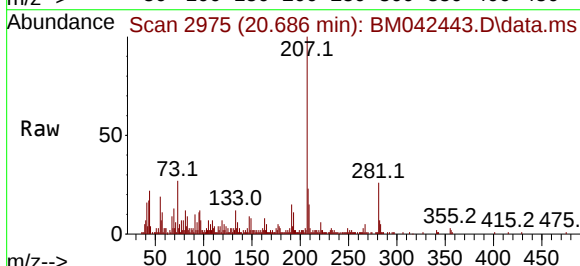
Tgt Ion:149 Resp: 1863

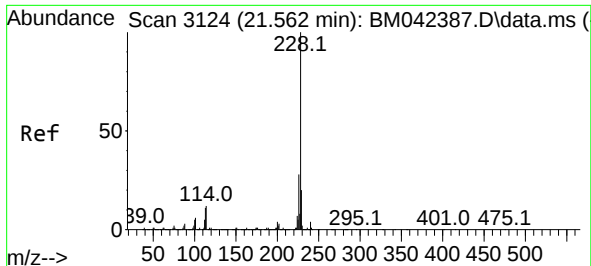
Ion Ratio Lower Upper

149 100

91 121.4 68.3 102.5#

206 27.9 14.6 22.0#

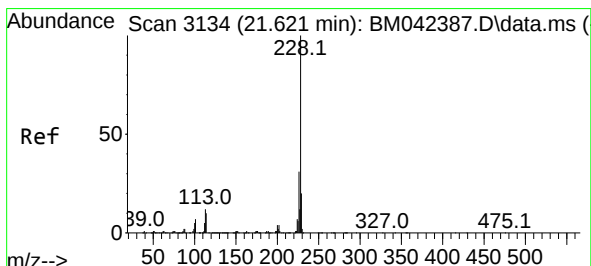
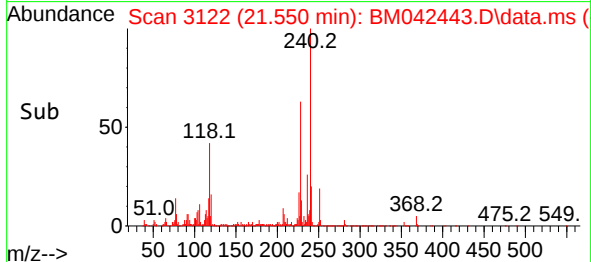
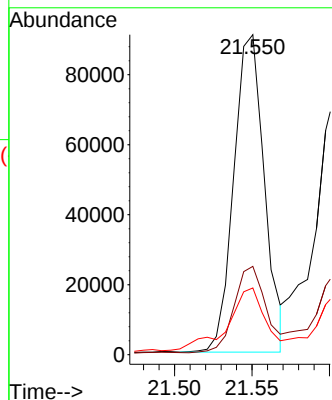
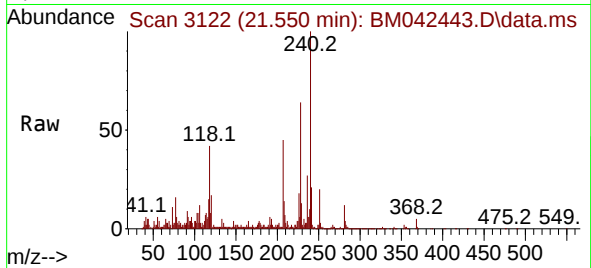




#81
Benzo(a)anthracene
Concen: 2.329 ng
RT: 21.550 min Scan# 3122
Delta R.T. -0.012 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

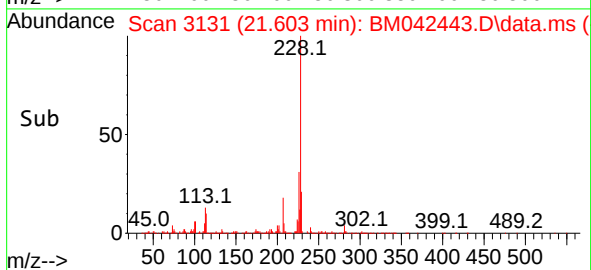
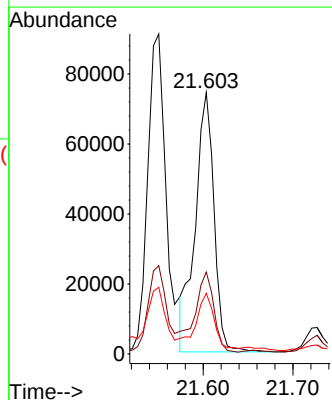
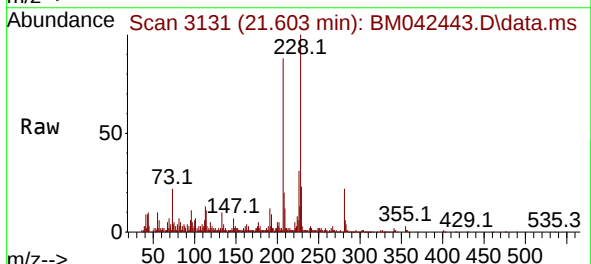
Instrument :
BNA_M
ClientSampleId :
486-WC-COMP

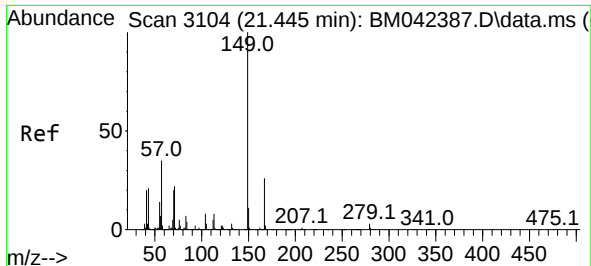
Tgt Ion:228 Resp: 124609
Ion Ratio Lower Upper
228 100
226 27.6 22.2 33.4
229 20.8 15.7 23.5



#83
Chrysene
Concen: 2.109 ng
RT: 21.603 min Scan# 3131
Delta R.T. -0.018 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

Tgt Ion:228 Resp: 108352
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 23.2 15.7 23.5

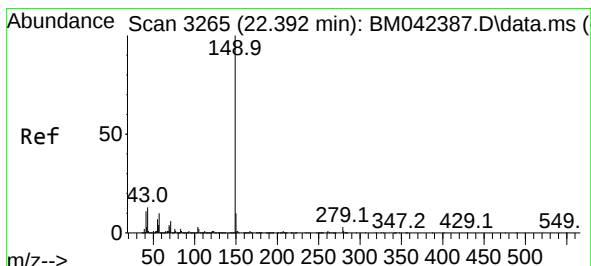
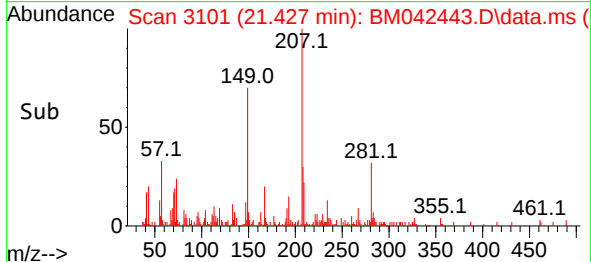
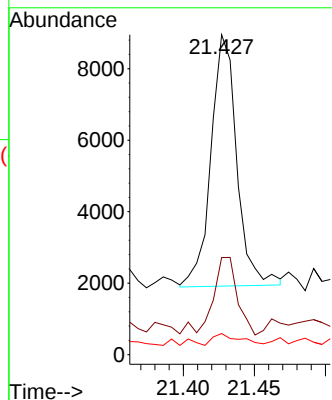
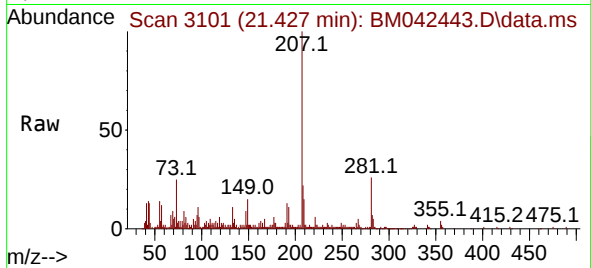




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.599 ng
 RT: 21.427 min Scan# 3104
 Delta R.T. -0.018 min
 Lab File: BM042443.D
 Acq: 25 Oct 2023 18:26

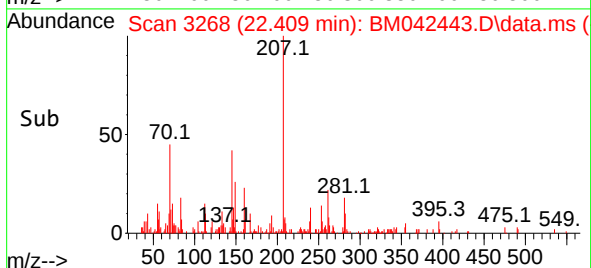
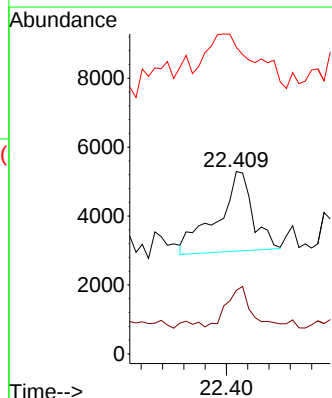
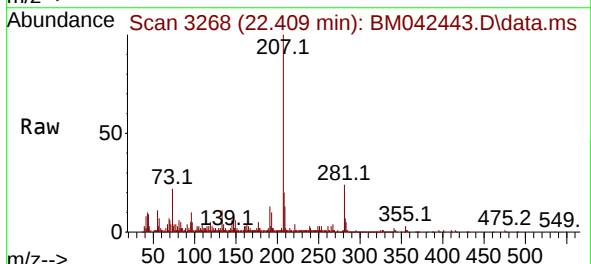
Instrument :
 BNA_M
 ClientSampleId :
 486-WC-COMP

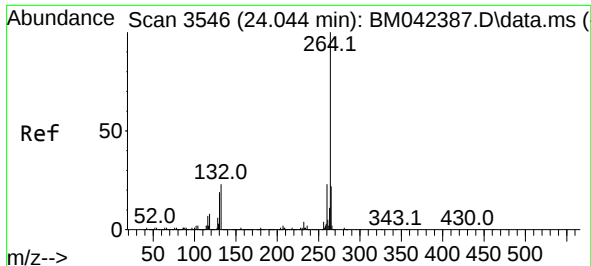
Tgt Ion:149 Resp: 8902
 Ion Ratio Lower Upper
 149 100
 167 30.3 20.9 31.3
 279 6.6 2.7 4.1#



#85
 Di-n-octyl phthalate
 Concen: 4.297 ng
 RT: 22.409 min Scan# 3268
 Delta R.T. 0.017 min
 Lab File: BM042443.D
 Acq: 25 Oct 2023 18:26

Tgt Ion:149 Resp: 5339
 Ion Ratio Lower Upper
 149 100
 167 37.5 1.2 1.8#
 43 46.6 11.0 16.6#

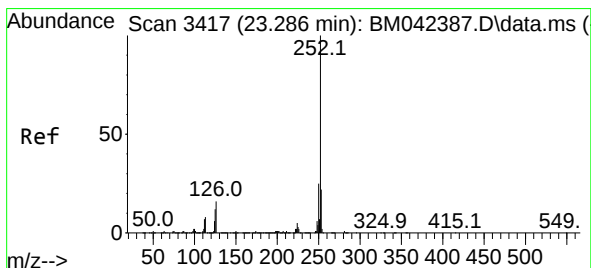
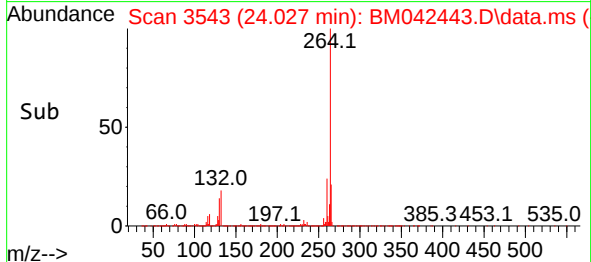
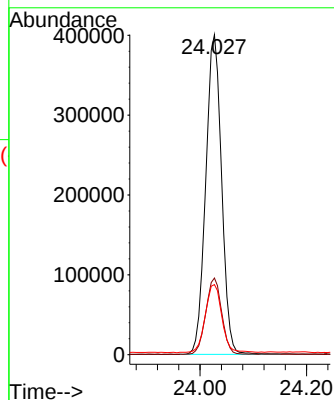
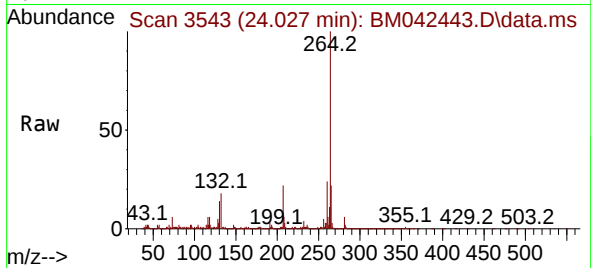




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.027 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BM042443.D
 Acq: 25 Oct 2023 18:26

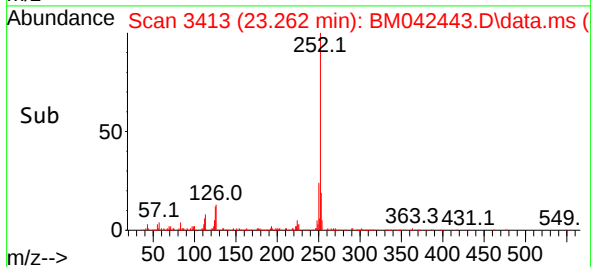
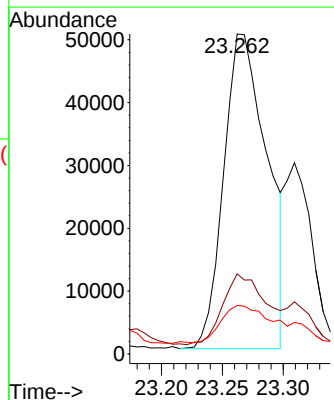
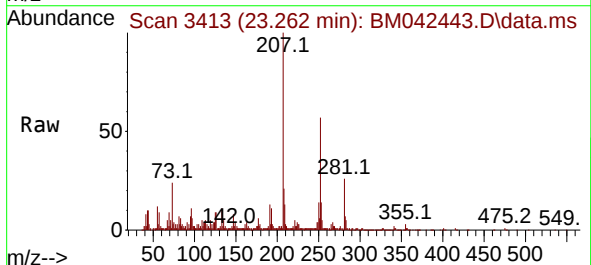
Instrument :
 BNA_M
 ClientSampleId :
 486-WC-COMP

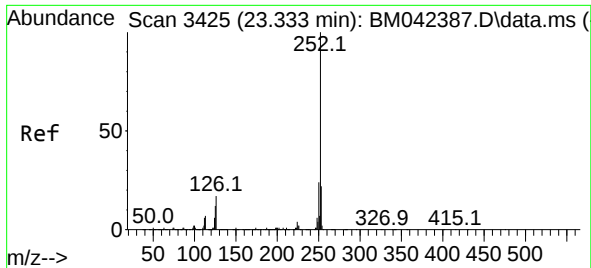
Tgt Ion:264 Resp: 827821
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 27.8
 265 21.9 17.8 26.8



#88
 Benzo(b)fluoranthene
 Concen: 2.497 ng
 RT: 23.262 min Scan# 3413
 Delta R.T. -0.023 min
 Lab File: BM042443.D
 Acq: 25 Oct 2023 18:26

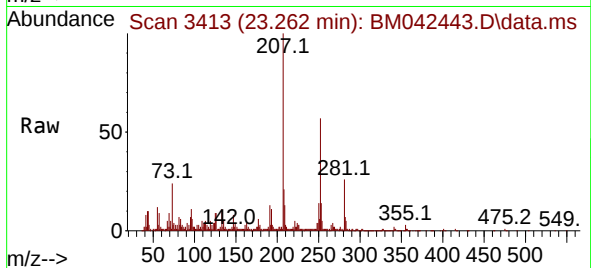
Tgt Ion:252 Resp: 124413
 Ion Ratio Lower Upper
 252 100
 253 25.0 18.0 27.0
 125 15.1 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 2.405 ng
RT: 23.262 min Scan# 34
Delta R.T. -0.071 min
Lab File: BM042443.D
Acq: 25 Oct 2023 18:26

Instrument :
BNA_M
ClientSampleId :
486-WC-COMP



Tgt Ion:252	Resp:	124413
Ion	Ratio	Lower Upper
252	100	
253	25.0	17.9 26.9
125	15.1	10.2 15.2

